



# SUSQUEHANNA RIVER BASIN COMMISSION

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**Docket No. 20120601**

**Approval Date: June 7, 2012**

## **ANADARKO E&P COMPANY LP**

**Surface Water Withdrawal (Peak Day) of up to 1.500 mgd  
from the West Branch Susquehanna River**

### **Section 1. Approval**

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission determines 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), 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.

<b>Project Information</b>	
<b>Project Sponsor:</b>	Anadarko E&P Company LP
<b>Approval Type:</b>	Surface Water Withdrawal
<b>Authorized Water Use Purpose:</b>	Hydrocarbon Development and Related Incidental Uses
<b>Municipality:</b>	Piatt Township
<b>County:</b>	Lycoming County
<b>State:</b>	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	
<b>Approved Source:</b>	West Branch Susquehanna River
<b>Subbasin:</b>	West Branch Susquehanna
<b>Watershed Boundary Dataset (WBD):</b>	0205020606 (West Branch Susquehanna River)
<b>Water Use Designation:</b>	Warm Water Fishery (WWF)
<b>Withdrawal Location (degrees):</b>	Lat: 41.216128 N      Long: 77.217368 W
<b>Flow Statistics (cfs):</b>	Q7-10 = 542; Average Daily Flow = 8,660
<b>Drainage Area (square miles):</b>	5,325
<b>Special Flow Protection Required:</b>	Yes
cfs – cubic feet per second	

### 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	
<b>Peak Day Withdrawal Amount (mgd):</b>	1.500 (Not to Exceed, When Available)
<b>Maximum Instantaneous Withdrawal Rate (gpm):</b>	1,042 (Not to Exceed)
<b>Flow Protection Type:</b>	Passby: 20% Average Daily Flow December 1 through July 31; 10% Average Daily Flow August 1 through November 30
<b>Flow Protection Rate (cfs):</b>	1,730 – December 1 through July 31; 866 – August 1 through November 30
<b>Flow Protection Rate (gpm):</b>	777,000 – December 1 through July 31; 389,000 – August 1 through November 30
<b>Method for Flow Protection:</b>	Monitor USGS Real-Time Gage 01551500; West Branch Susquehanna River at Williamsport, Pennsylvania
<b>Flow Protection Threshold (cfs):</b>	1,850 – December 1 through July 31; 924 – August 1 through November 30
mgd – million gallons per day gpm – gallons per minute	USGS – U.S. Geological Survey

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, including metering and reporting requirements contained in Commission Regulation 18 CFR §806.30. 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 from time to time.

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 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 an 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.

5. The project sponsor or any other person 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. Quarterly monitoring reports shall be submitted on-line 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 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.

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

9. To satisfy the Commission's registration requirement, the project sponsor shall register with the PADEP all surface water sources described in this docket in accordance with 25 PA Code §110.201, Pennsylvania Water Resources Planning Act, Act 220 of 2002.

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 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 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.

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. 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 by the project sponsor and approved by the Commission as provided in Commission Regulation 18 CFR §806.31(b). Likewise, 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 withdrawals be expected to exceed the amounts listed herein, the project sponsor is required to make application for modification to this approval at that time.

17. This approval is effective until June 6, 2027. As specified in Commission Regulation 18 CFR §806.31(e), the project sponsor shall submit an application by December 6, 2026, which will authorize continued operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application.

## **Section 6. Special Conditions**

18. Following initiation of the project at the approved rate, 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 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, as required. The project sponsor may propose alternative flow monitoring to the Commission for staff review and, if acceptable, approval.

19. Prior to the withdrawal of water, the project sponsor shall post a sign that meets Commission specifications and displays required project description information. 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 description shall identify the project sponsor, project name, docket approval number, and conditions of the surface water withdrawal approval including quantity, rate and passby flow requirement, docket expiration date, and contact information for the project sponsor and the Commission. The sign shall be installed prior to any withdrawal of water and be maintained for the duration of the approval. The project sponsor shall submit digital photographs as proof of sign installation prior to the initiation of the withdrawal.

20. The project sponsor shall maintain legal access to the withdrawal location for the duration of the approval.

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

22. The project sponsor shall keep daily records, and shall report the same to the Commission upon request, of all persons supplied water from the project for use in hydrocarbon development, including daily quantities supplied. The project sponsor also shall keep 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 pursuant to this approval for any use not authorized pursuant to Section 2, the project sponsor shall first submit a request for determination of authorized use to the Executive Director. The project sponsor shall not supply water for such use until authorization is received.

24. The project sponsor shall demonstrate to the satisfaction of the Commission that all water withdrawn from surface water sources, while under control of or on a facility owned or operated by the project sponsor, is transported, stored, injected into a well, or discharged with appropriate controls and treatment to prevent the spread of aquatic nuisance species.

**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 June 7, 2012.

Dated: June 8, 2012

  
Stephanie L. Richardson