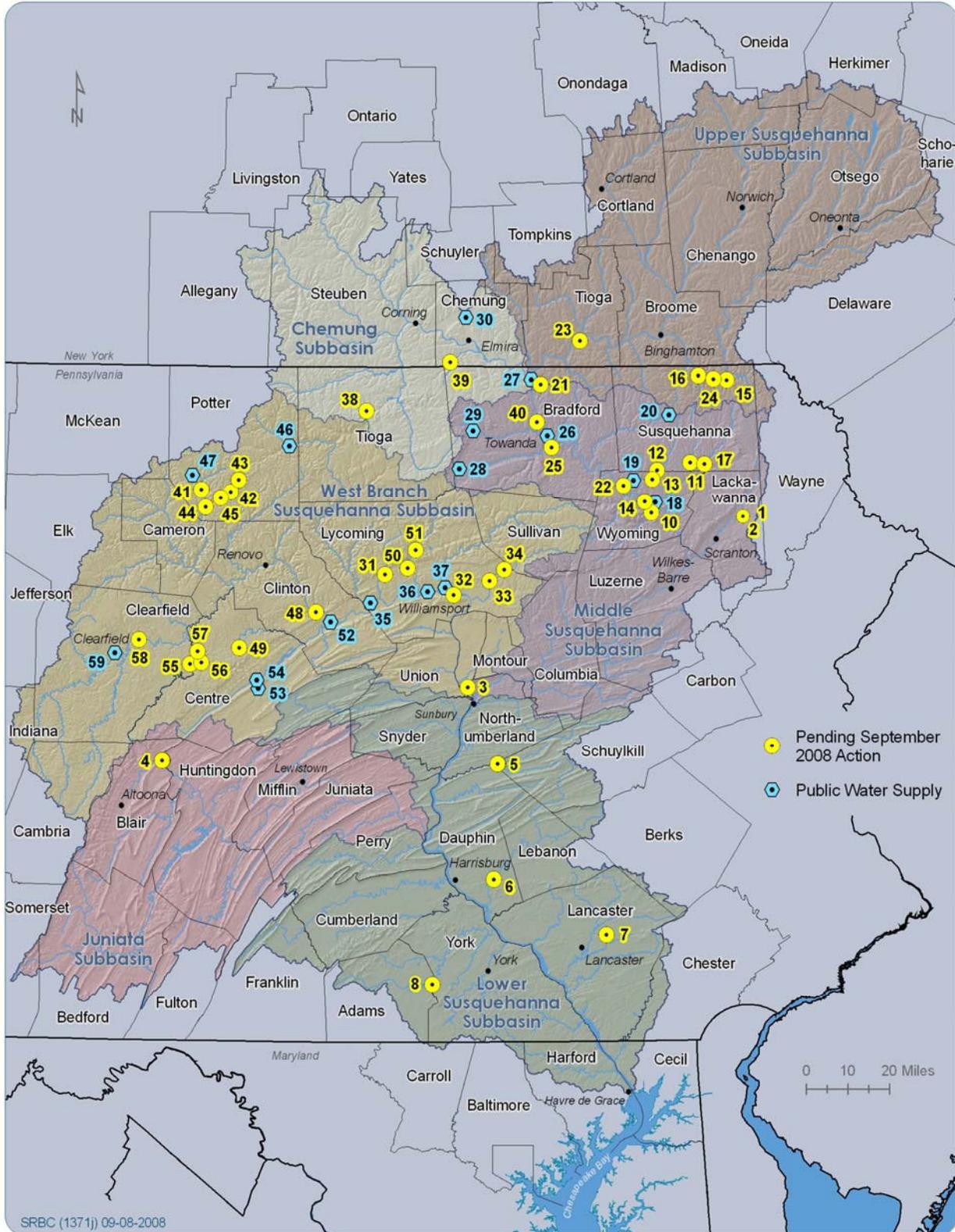


Susquehanna River Basin Commission  
Bucknell University, Elaine Langone Center  
September 11, 2008 – 1:00 p.m.

Projects Scheduled for Action



## Definitions and Abbreviations

**Withdrawal** is the removal of water from a source for use, described as a daily quantity in **million gallons per day (mgd)** or as a maximum instantaneous rate in **gallons per minute (gpm)**.

**Streamflow** is the volume of water moving through a natural channel that passes a given point in a given period of time, commonly in units of **cubic feet per second (cfs)** or gpm.

**HUC—Hydrologic Unit Code** is a unique numeric identifier representing a specific surface drainage area, used for management purposes.

**DA—Drainage area**, in **square miles (mi<sup>2</sup>)**, is the area of surface drainage upstream from the site of interest that is often delineated on a topographic map.

**ADF—Average daily flow** is the arithmetic average of the daily streamflow measurement over the entire period of record.

**Q7-10 Flow**—The lowest average, consecutive 7-day flow that would occur with a recurrence interval of 1 in 10 years. A 10-year flow event has a 10 percent chance of occurring in any 1 year.

**Passby Flow**—A prescribed flow intended to protect aquatic resources and other users that may not be diminished by the withdrawal. The Susquehanna River Basin Commission's (Commission's) policy stipulates that a required passby flow will never be less than the Q7-10 flow.

**Stream Classifications**—New York (NY) and Pennsylvania (PA) classify surface waters by resource quality, stream use, and habitat. Classifications for streams are listed below:

**Class C (NY)** refers to fresh surface waters that are protected as fisheries, for fish survival and reproduction. The water quality also should be suitable for primary and secondary contact recreation, such as swimming and boating.

**T—Trout Waters (NY)** is a subcategory for streams where trout survival also is a protected use.

**CWF—Cold Water Fishes (PA)** refers to a stream where the fish population consists of trout and other fish species, such as blacknose dace, sculpins, and some darters, that need cold water to survive and reproduce.

**WWF—Warm Water Fishes (PA)** refers to a stream where the fish population consists of bass, catfish, and other fish species such as carp and bluegills, which generally live in warm water habitats.

**TSF—Trout Stocking (PA)** refers to a stream that contains a stocked trout fishery from February 15 to July 31. The fish population also consists of warm water fishes, as described above.

**EV—Exceptional Value (PA)** waters are considered an outstanding state resource for one or more reasons, such as: (1) a location in a national or state refuge or protected area; (2) an exceptional recreational significance; (3) an exceptional biological community or very high water quality; or (4) designation as a wilderness trout stream by the Pennsylvania Fish and Boat Commission. Withdrawals may not cause greater than a 5 percent loss of habitat.

**HQ—High-Quality (PA)** waters refer to streams where the biological or water quality consistently exceeds standards set by the Pennsylvania Department of Environmental Protection or that have been designated as a Class A wild trout stream by the Pennsylvania Fish and Boat Commission. Water withdrawals may not cause greater than a 5 percent loss of habitat.

## **Project Review Application Requirements and Standard Docket Conditions**

**Notification Requirements**—Project sponsors are required to notify the municipality where the project is located, the county planning agency, contiguous property owners, and publish a legal notice in a local newspaper about their project. The Commission values input from the public and considers all comments received during its technical review.

**Coordination**—The Commission conducts an independent review of project applications and coordinates its actions on projects with agencies of the signatory parties. Where the signatory agency or any political subdivision of the signatory agency (i.e., local government) having jurisdiction over the project denies or otherwise disapproves the project, the Commission will suspend its review for up to three years (pending final resolution) or terminate its review.

**Aquifer Test**—Project sponsors requesting approval of a groundwater withdrawal are required to conduct a constant-rate aquifer test (commonly 72 hours in duration) and to submit the results with their application. The aquifer test is used to evaluate impacts on the aquifer, on other nearby existing users (including domestic wells), and surface water resources (streams and wetlands). Prior approval of the testing procedures is required.

**Metering**—Projects approved by the Commission are required to meter withdrawals and consumptive uses.

**Monitoring and Reporting**—Projects approved by the Commission are required to monitor their withdrawal and consumptive use amounts and routinely report these data (quarterly) to the Commission for the duration of the approval.

**Periodic Inspection**—The Commission reserves the right to inspect or investigate the project facility, and the project sponsor shall allow authorized employees or agents of the Commission, without advance notice or a search warrant, 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. Such employees or agents shall be authorized to conduct tests or sampling; to take photographs; to perform measurements, surveys, and other tests; to inspect the methods of construction, operation, or maintenance; to inspect all measurement equipment; to audit, examine, and copy books papers, and records pertinent to any matter under investigation; and to take any other action necessary to assure that the project is constructed, operated, or maintained in accordance with the terms and conditions of this approval or any other rule, regulation, or order of the Commission.

**Mitigation**—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 is required to provide, at its expense, an alternate water supply or other mitigating measures.

**Water Conservation**—Projects approved by the Commission are subject to its water conservation regulations that require use of applicable water conservation devices, recirculation and reuse strategies, properly designed irrigation systems, and metering for sources and customers.

**Docket Reopener**—The Commission reserves the right, based on new findings, to reopen any project docket and make additional orders to mitigate or avoid adverse impacts or to otherwise protect the public health, safety, welfare, or the environment.

## Tabled Project Applications

Commission staff is recommending the following seven project applications be tabled at this time:

### Chief Oil & Gas LLC

#### Sugar Creek

<i>State:</i>	PA	<i>County:</i>	Bradford	<i>Municipality:</i>	Burlington Township
<i>Requested Withdrawal:</i>	37 gpm	0.053 mgd (daily)	0.053 mgd (30-day average)		
<i>HUC:</i>	0205010601	<i>Drainage Area:</i>	94 mi <sup>2</sup>	<i>Stream Class:</i>	TSF
<i>Q7-10:</i>	238 gpm	<i>ADF:</i>	125 cfs		

#### Pine Creek

<i>State:</i>	PA	<i>County:</i>	Lycoming	<i>Municipality:</i>	Cummings Township
<i>Requested Withdrawal:</i>	300 gpm	0.099 mgd (daily)	0.060 mgd (30-day average)		
<i>HUC:</i>	0205020506	<i>Drainage Area:</i>	945 mi <sup>2</sup>	<i>Stream Class:</i>	HQ-CWF
<i>Q7-10:</i>	21,037 gpm	<i>ADF:</i>	1751.4 cfs		

### Fortuna Energy Inc.

#### Sugar Creek

<i>State:</i>	PA	<i>County:</i>	Bradford	<i>Municipality:</i>	West Burlington Township
<i>Requested Withdrawal:</i>	23 gpm	0.033 mgd	0.250 mgd (30-day average)		
<i>HUC:</i>	0205010601	<i>Drainage Area:</i>	94 mi <sup>2</sup>	<i>Stream Class:</i>	TSF
<i>Q7-10:</i>	238 gpm	<i>ADF:</i>	125 cfs		

#### Towanda Creek

<i>State:</i>	PA	<i>County:</i>	Bradford	<i>Municipality:</i>	Franklin Township
<i>Requested Withdrawal:</i>	65 gpm	0.093 mgd (daily)	0.093 mgd (30-day average)		
<i>HUC:</i>	0205010603	<i>Drainage Area:</i>	112 mi <sup>2</sup>	<i>Stream Class:</i>	TSF
<i>Q7-10:</i>	654.57 gpm	<i>ADF:</i>	149.51 cfs		

**Rex Energy Corporation**

**Lower Little Surveyor Run**

<i>State:</i>	PA	<i>County:</i>	Clearfield	<i>Municipality:</i>	Girard Township
<i>Requested Withdrawal:</i>	556 gpm	0.400 mgd (daily)	0.400 mgd (30-day average)		
<i>HUC:</i>	0205020107	<i>Drainage Area:</i>	1.4 mi <sup>2</sup>	<i>Stream Class:</i>	CWF
<i>Q7-10:</i>	11.6 gpm	<i>ADF:</i>	2.22 cfs		

**Upper Little Surveyor Run**

<i>State:</i>	PA	<i>County:</i>	Clearfield	<i>Municipality:</i>	Girard Township
<i>Requested Withdrawal:</i>	556 gpm	0.400 mgd (daily)	0.400 mgd (30-day average)		
<i>HUC:</i>	0205020107	<i>Drainage Area:</i>	0.8 mi <sup>2</sup>	<i>Stream Class:</i>	CWF
<i>Q7-10:</i>	6.60 gpm	<i>ADF:</i>	1.26 cfs		

**PPL Holtwood, LLC**

**Holtwood Hydroelectric Station**

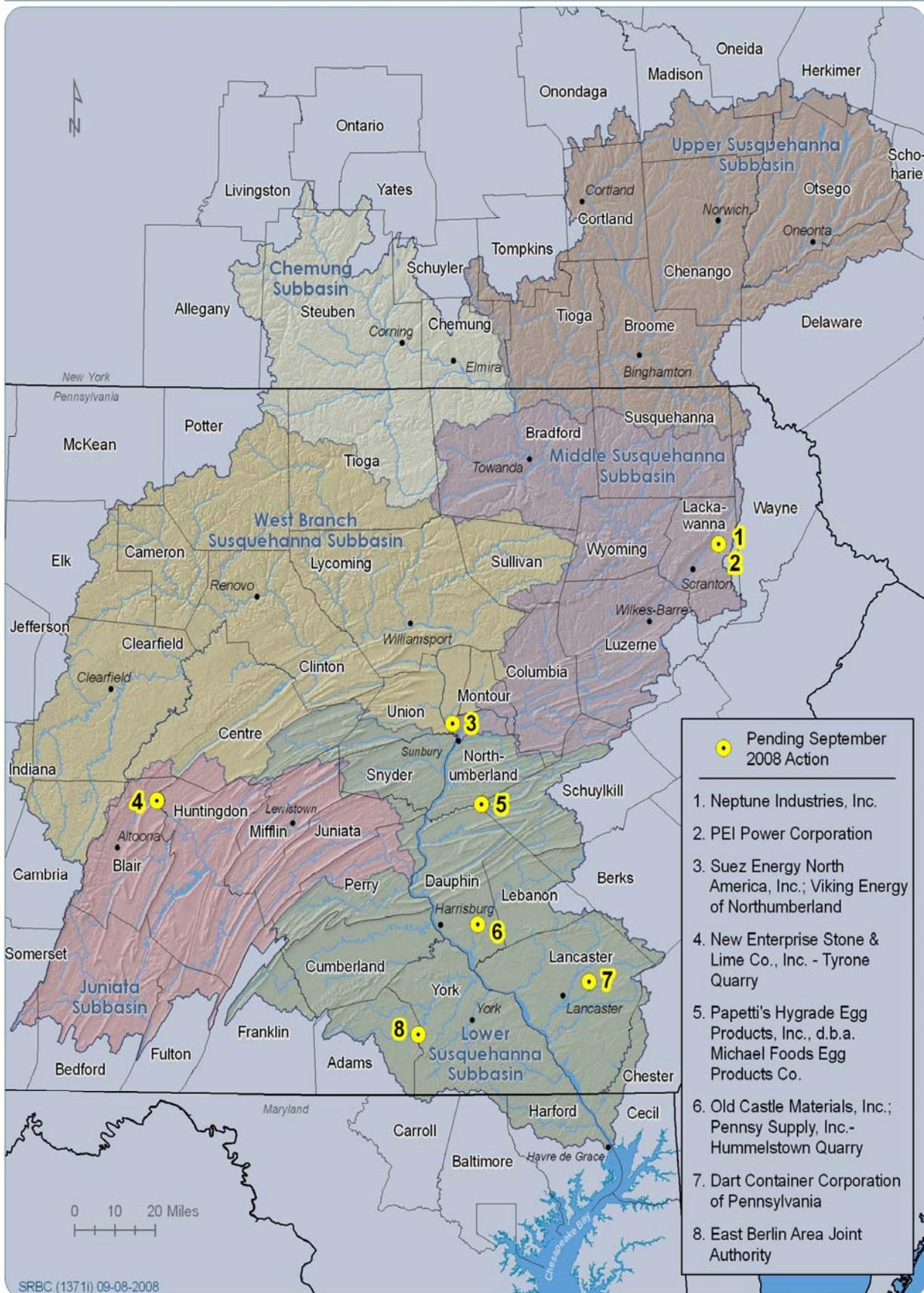
<i>State:</i>	PA	<i>County:</i>	Lancaster and York	<i>Municipality:</i>	Martic and Conestoga Townships, and Chanceford and Lower Chanceford Townships
<b>Commission staff's recommended action:</b> Release water for environmental benefits, improve and expand fish passage, and enhance recreation facilities.					

The following project application has been withdrawn:

**Cabot Oil & Gas Corporation**

**Unnamed Tributary to Meshoppen Creek** – Application withdrawn by project sponsor.

# Project Applications



Commission staff is recommending action on the following project applications:

**Neptune Industries, Inc. (Map ID 1)**

**SRBC Docket No. 20080930**

<i>State:</i>	PA	<i>County:</i>	Lackawanna	<i>Municipality:</i>	Borough of Archbald
<i>Requested Withdrawal:</i>	999 gpm	0.499 mgd (daily)	<i>From:</i>	Lackawanna River	
<i>HUC:</i>	02050107	<i>Drainage Area:</i>	115 mi <sup>2</sup>	<i>Stream Class:</i>	HQ-CWF
<i>Q7-10:</i>	10,514 gpm	<i>ADF:</i>	216 cfs	<i>Passby Required:</i>	No
<b>Commission staff's recommended action:</b> Maximum instantaneous rate of withdrawal is limited to 999 gpm; peak day is limited to the requested 0.499 mgd.					

**PEI Power Corporation (Map ID 2)**

**SRBC Docket No. 20010406-1**

<i>State:</i>	PA	<i>County:</i>	Lackawanna	<i>Municipality:</i>	Borough of Archbald
<i>Requested Withdrawal:</i>	0.530 mgd (daily)		<i>HUC:</i>	02050107	
<b>Commission staff's recommended action:</b> Approve modification to utilize water supplied by a public water supplier to supplement the approved surface water withdrawals.					

**Suez Energy North America, Inc.; Viking Energy of Northumberland (Map ID 3)**

**SRBC Docket No. 19870301-4**

<i>State:</i>	PA	<i>County:</i>	Northumberland	<i>Municipality:</i>	Point Township
<i>Requested Consumptive Water Use:</i>	0.387 mgd (daily)				
<b>Commission staff's recommended action:</b> Increase consumptive water use from 0.288 mgd to 0.387 mgd for production of electricity and steam.					

**New Enterprise Stone & Lime Co, Inc. – Tyrone Quarry (Map ID 4)**

**SRBC Docket No. 20031205-2**

<i>State:</i>	PA	<i>County:</i>	Huntingdon and Blair	<i>Municipality:</i>	Warriors Mark and Snyder Townships
<i>Requested Withdrawals (30-day averages):</i>	Wells 1, 2, 3, and 5	0.095 mgd, 0.006 mgd, 0.050 mgd, 0.0003 mgd, respectively	<i>HUC:</i>	02050302	
<b>Commission staff's recommended action:</b> Approve withdrawals from four existing wells.					

**Papetti's Hygrade Egg Products, Inc., d.b.a. Michael Foods Egg Products Co. (Map ID 5)**

**SRBC Docket No. 19990903-2**

<i>State:</i>	PA	<i>County:</i>	Schuylkill	<i>Municipality:</i>	Upper Mahantango Township
<i>Requested Withdrawal:</i>	325 gpm	Well 3	0.450 mgd (30-day average)	<i>HUC:</i>	02050301
<b>Commission staff's recommended action:</b> Increase consumptive water use from 0.100 mgd (30-day average) to 0.225 mgd (peak day); in Well 3 limit maximum instantaneous pumping rate to 325 gpm and the 30-day average withdrawal to 0.350 mgd (less than the request), subject to groundwater monitoring and new accounting for consumptive use.					

**Old Castle Materials, Inc.; Pennsy Supply, Inc. –  
Hummelstown Quarry (Map ID 6)**

**SRBC Docket No. 20080949**

<i>State:</i>	PA	<i>County:</i>	Dauphin	<i>Municipality:</i>	South Hanover Township
<i>Requested Withdrawal:</i>	20,800 gpm	29.000 mgd (daily)	29.000 mgd (30-day average)		
<i>HUC:</i>	02050305	<i>Drainage Area:</i>	513 mi <sup>2</sup>	<i>Stream Class:</i>	WWF
<i>Q7-10:</i>	32,273 gpm	<i>ADF:</i>	837 cfs	<i>Passby Required:</i>	Yes, but mitigated by discharge
<p><b>Commission staff's recommended action:</b> Increase withdrawal from 12.900 mgd to the requested 29,000 mgd upon staff approval of an Emergency Action Plan, Recreation Plan, Groundwater Monitoring Plan, Sinkhole Mitigation Plan, and Metering Plan. Provided discharge is made from Outfall 002, which is upgradient of the surface water impact on Swatara Creek, a protective passby is not required.</p>					

**Dart Container Corporation of Pennsylvania  
(Map ID 7)**

**SRBC Docket No. 20040910-2**

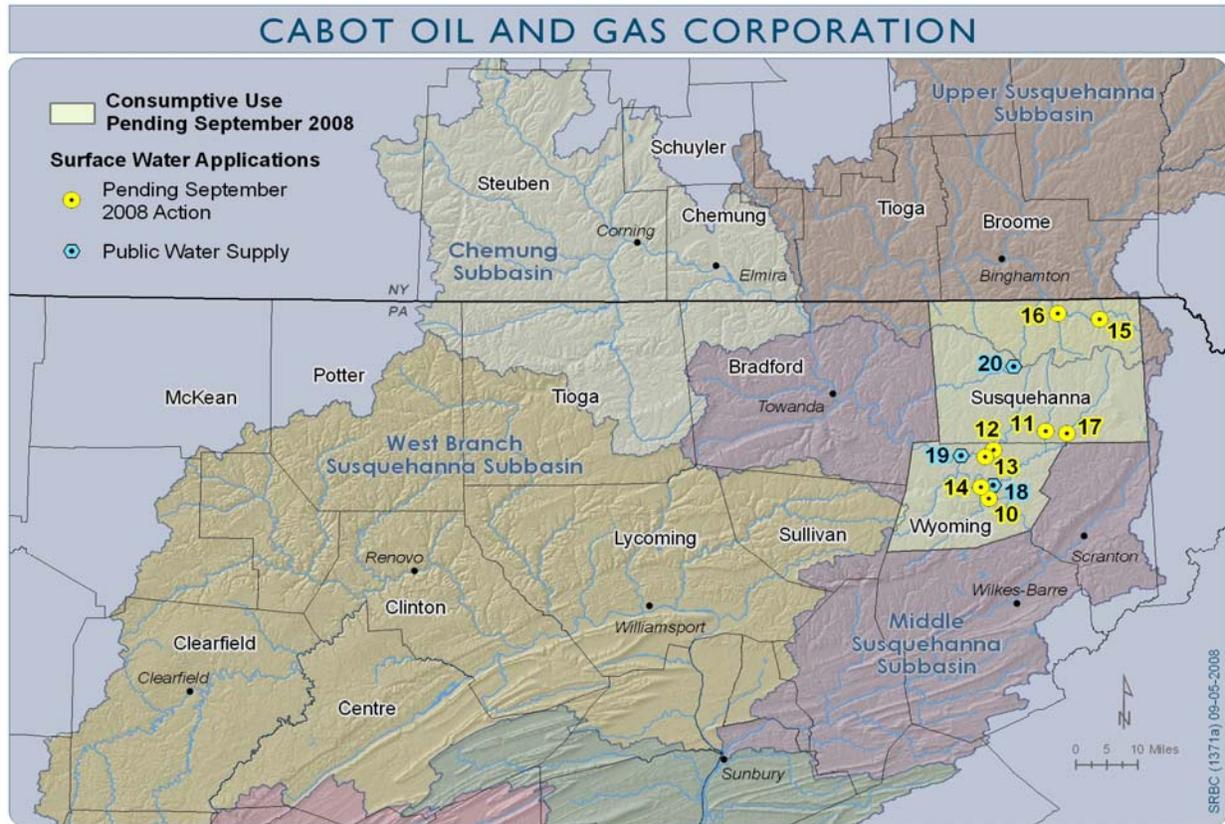
<i>State:</i>	PA	<i>County:</i>	Lancaster	<i>Municipality:</i>	Upper Leacock Township
<i>Requested Withdrawals:</i>	Well 4	100 gpm	0.144 mgd (30-day average)		
	Well 12	50 gpm	0.072 mgd (30-day average)		
<p><b>Commission staff's recommended action:</b> Increase withdrawals (30-day averages) in Well 4 from 0.072 mgd to 0.144 mgd and in Well 12 from 0.043 mgd to 0.058 mgd (less than the request); limit maximum instantaneous pumping rates to 100 gpm and 40 gpm based on documented pump capacities.</p>					

**East Berlin Area Joint Authority (Map ID 8)**

**SRBC Docket No. 20080950**

<i>State:</i>	PA	<i>County:</i>	Adams	<i>Municipality:</i>	Hamilton Township
<i>Requested Withdrawals:</i>	Well TW-1	99 gpm	0.220 mgd (daily)	0.144 mgd (30-day average)	
	Well TW-2	20 gpm	0.029 mgd (daily)	0.029 mgd (30-day average)	
<p><b>Commission staff's recommended action:</b> Approve withdrawals (30-day averages) of 0.130 mgd from Well TW-1 (less than the request) and 0.029 mgd from Well TW-2 based on the sustainable yield; limit maximum instantaneous pumping rates to 99 gpm and 20 gpm, respectively; the wells should not be operated simultaneously.</p>					

# Natural Gas Development Project Applications



## Cabot Oil and Gas Corporation

Consumptive Water Use of up to 3.575 mgd

SRBC Docket No. 20080904

For operations in Susquehanna and Wyoming Counties, Pennsylvania; withdrawals from the following sources:

Map ID	Source	Approved Quantity (mgd)
10	Bowmans Creek (Eaton Township)	0.290
11	Martins Creek (Lathrop Township)	0.074
12	Meshoppen Creek-1 (Lemon Township)	0.054
13	Meshoppen Creek-2 (Lemon Township)	0.054
14	Susquehanna River-1 (Tunkhannock Township)	0.720
15	Susquehanna River-2 (Susquehanna Depot Borough)	0.720
16	Susquehanna River-3 (Great Bend Borough)	0.720
17	Tunkhannock Creek (Lenox Township)	0.250
18	Tunkhannock Borough Municipal Authority	0.040*
19	Meshoppen Borough Council	0.090*
20	Pennsylvania American Water Company – Montrose System	0.075*

*\*Maximum quantity the public water supplier has agreed to provide.*

## Bowmans Creek (Map ID 10)

SRBC Docket No. 20080929

<i>State:</i>	PA	<i>County:</i>	Wyoming	<i>Municipality:</i>	Eaton Township
<i>Requested Withdrawal:</i>	354 gpm	0.510 mgd (daily)	0.510 mgd (30-day average)		
<i>HUC:</i>	0205010613	<i>Drainage Area:</i>	118 mi <sup>2</sup>	<i>Stream Class:</i>	HQ-CWF
<i>Q7-10:</i>	2,392 gpm	<i>ADF:</i>	166.68 cfs	<i>Passby Required:</i>	Yes, at the requested rate
<b>Commission staff's recommended action:</b> Considering percent of Q7-10 flow and upstream cumulative impacts, reduce the maximum instantaneous rate of withdrawal from 354 gpm to 201 gpm. The peak day withdrawal should be limited to 0.290 mgd.					

## Martins Creek (Map ID 11)

SRBC Docket No. 20080917

<i>State:</i>	PA	<i>County:</i>	Susquehanna	<i>Municipality:</i>	Lathrop Township
<i>Requested Withdrawal:</i>	63 gpm	0.091 mgd (daily)	0.091 mgd (30-day average)		
<i>HUC:</i>	0205010612	<i>Drainage Area:</i>	48.4 mi <sup>2</sup>	<i>Stream Class:</i>	CWF
<i>Q7-10:</i>	981.24 gpm	<i>ADF:</i>	68.37 cfs	<i>Passby Required:</i>	Yes, at the requested rate
<b>Commission staff's recommended action:</b> Considering percent of Q7-10 flow and upstream cumulative impacts, reduce the maximum instantaneous rate of withdrawal from 63 gpm to 51 gpm. The peak day withdrawal should be limited to 0.074 mgd.					

## Meshoppen Creek-1 (Map ID 12)

SRBC Docket No. 20080920

<i>State:</i>	PA	<i>County:</i>	Wyoming	<i>Municipality:</i>	Lemon Township
<i>Requested Withdrawal:</i>	44 gpm	0.063 mgd (daily)	0.063 mgd (30-day average)		
<i>HUC:</i>	0205010608	<i>Drainage Area:</i>	46.2 mi <sup>2</sup>	<i>Stream Class:</i>	CWF
<i>Q7-10:</i>	388.31 gpm	<i>ADF:</i>	65.26 cfs	<i>Passby Required:</i>	Yes, at requested rate
<b>Commission staff's recommended action:</b> Considering percent of Q7-10 flow and upstream cumulative impacts, reduce the maximum instantaneous rate of withdrawal from 44 gpm to 38 gpm. Peak day withdrawal should be limited to 0.054 mgd. Cabot's withdrawal sources on Meshoppen Creek (1 and 2) should be limited to a total of 0.054 mgd.					

## Meshoppen Creek-2 (Map ID 13)

SRBC Docket No. 20080919

<i>State:</i>	PA	<i>County:</i>	Wyoming	<i>Municipality:</i>	Lemon Township
<i>Requested Withdrawal:</i>	44 gpm	0.063 mgd (daily)	0.063 mgd (30-day average)		
<i>HUC:</i>	0205010608	<i>Drainage Area:</i>	47.0 mi <sup>2</sup>	<i>Stream Class:</i>	CWF
<i>Q7-10:</i>	395 gpm	<i>ADF:</i>	65.26 cfs	<i>Passby Required:</i>	Yes, at requested rate
<b>Commission staff's recommended action:</b> Considering percent of Q7-10 flow and upstream cumulative impacts, reduce the maximum instantaneous rate of withdrawal from 44 gpm to 38 gpm. Peak day withdrawal should be limited to 0.054 mgd. Cabot's withdrawal sources on Meshoppen Creek (1 and 2) should be limited to a total of 0.054 mgd.					

**Susquehanna River-1 (Map ID 14)**

**SRBC Docket No. 20080927**

<i>State:</i>	PA	<i>County:</i>	Wyoming	<i>Municipality:</i>	Tunkhannock Township
<i>Requested Withdrawal:</i>	500 gpm	0.720 mgd (daily)	0.720 mgd (30-day average)		
<i>HUC:</i>	0205010614	<i>Drainage Area:</i>	8,900 mi <sup>2</sup>	<i>Stream Class:</i>	WWF
<i>Q7-10:</i>	307,840 gpm	<i>ADF:</i>	11,267 cfs	<i>Passby Required:</i>	No, requested rate of withdrawal is 0.2% of the calculated Q7-10 flow
<b>Commission staff's recommended action:</b> Maximum instantaneous rate of withdrawal is limited to the requested 500 gpm; peak day is limited to the requested 0.720 mgd.					

**Susquehanna River-2 (Map ID 15)**

**SRBC Docket No. 20080908**

<i>State:</i>	PA	<i>County:</i>	Susquehanna	<i>Municipality:</i>	Susquehanna Depot Borough
<i>Requested Withdrawal:</i>	500 gpm	0.720 mgd (daily)	0.720 mgd (30-day average)		
<i>HUC:</i>	0205010128	<i>Drainage Area:</i>	2,000 mi <sup>2</sup>	<i>Stream Class:</i>	WWF
<i>Q7-10:</i>	76,165 gpm	<i>ADF:</i>	3,210 cfs	<i>Passby Required:</i>	No, requested rate of withdrawal is 0.7% of the calculated Q7-10 flow
<b>Commission staff's recommended action:</b> Maximum instantaneous rate of withdrawal is limited to the requested 500 gpm; peak day is limited to the requested 0.720 mgd.					

**Susquehanna River-3 (Map ID 16)**

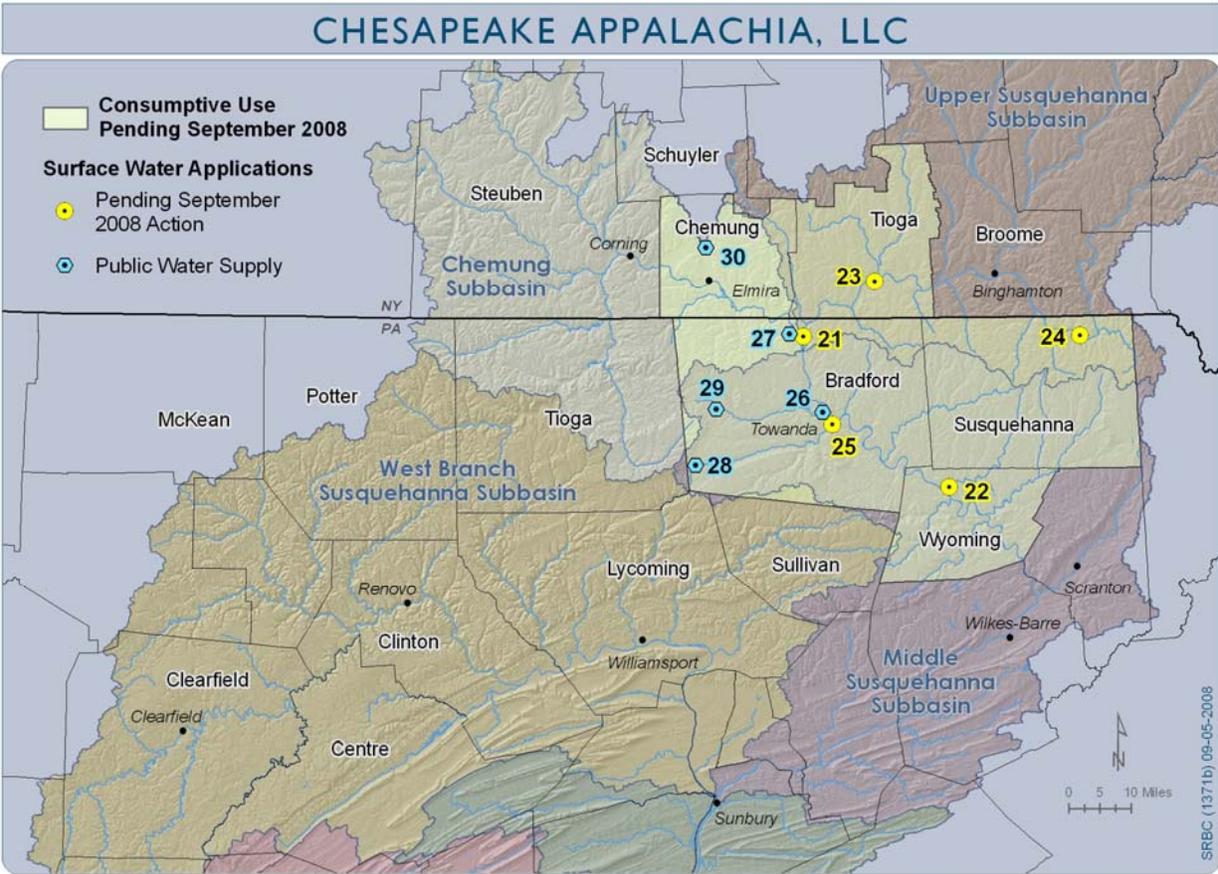
**SRBC Docket No. 20080905**

<i>State:</i>	PA	<i>County:</i>	Susquehanna	<i>Municipality:</i>	Great Bend Borough
<i>Requested Withdrawal:</i>	500 gpm	0.720 mgd (daily)	0.720 mgd (30-day average)		
<i>HUC:</i>	0205010128	<i>Drainage Area:</i>	2,040 mi <sup>2</sup>	<i>Stream Class:</i>	WWF
<i>Q7-10:</i>	77,688 gpm	<i>ADF:</i>	3,274 cfs	<i>Passby Required:</i>	No, requested rate of withdrawal is 0.6% of the calculated Q7-10 flow
<b>Commission staff's recommended action:</b> Maximum instantaneous rate of withdrawal is limited to the requested 500 gpm; peak day is limited to the requested 0.720 mgd.					

**Tunkhannock Creek (Map ID 17)**

**SRBC Docket No. 20080918**

<i>State:</i>	PA	<i>County:</i>	Susquehanna	<i>Municipality:</i>	Lenox Township
<i>Requested Withdrawal:</i>	215 gpm	0.310 mgd (daily)	0.310 mgd (30-day average)		
<i>HUC:</i>	0205010612	<i>Drainage Area:</i>	101 mi <sup>2</sup>	<i>Stream Class:</i>	CWF
<i>Q7-10:</i>	2,047 gpm	<i>ADF:</i>	142.67 cfs	<i>Passby Required:</i>	Yes, at requested rate
<b>Commission staff's recommended action:</b> Considering the percent of Q7-10 flow and upstream cumulative impacts, reduce maximum instantaneous rate of withdrawal from 215 gpm to 175 gpm. Peak day withdrawal should be limited to 0.250 mgd.					



**Chesapeake Appalachia, LLC**

**Consumptive Water Use of up to 2.075 mgd**

**SRBC Docket No. 20080902**

For operations in Chemung and Tioga Counties, New York, and Bradford, Susquehanna, and Wyoming Counties, Pennsylvania; withdrawals from the following sources:

Map ID	Source	Approved Quantity (mgd)
21	Susquehanna River-1 (Athens Township)	0.999
22	Susquehanna River-2 (Mehoopany Township)	0.999
23	Susquehanna River-3 (Town of Tioga)	0.999
24	Susquehanna River-4 (Oakland Township)	0.999
25	Susquehanna River-5 (Wysox Township)	0.999
26	Towanda Municipal Authority	0.150*
27	Aqua Pennsylvania, Inc. – Susquehanna Division	0.300*
28	Canton Borough Authority	0.100*
29	Borough of Troy	0.100*
30	Village of Horseheads	0.200*

*\*Maximum quantity the public water supplier has agreed to provide.*

**Susquehanna River-1 (Map ID 21)**

**SRBC Docket No. 20080906**

<i>State:</i>	PA	<i>County:</i>	Bradford	<i>Municipality:</i>	Athens Township
<i>Requested Withdrawal:</i>	1,000 gpm	0.999 mgd (daily)	0.850 mgd (30-day average)		
<i>HUC:</i>	0205010321	<i>Drainage Area:</i>	4,930 mi <sup>2</sup>	<i>Stream Class:</i>	WWF
<i>Q7-10:</i>	177,382 gpm	<i>ADF:</i>	7,880 cfs	<i>Passby Required:</i>	No, requested rate of withdrawal is 0.6% of the calculated Q7-10 flow
<b>Commission staff's recommended action:</b> Maximum instantaneous rate of withdrawal is limited to the requested 1,000 gpm; peak day is limited to the requested 0.999 mgd.					

**Susquehanna River-2 (Map ID 22)**

**SRBC Docket No. 20080923**

<i>State:</i>	PA	<i>County:</i>	Wyoming	<i>Municipality:</i>	Mehoopany Township
<i>Requested Withdrawal:</i>	1,000 gpm	0.999 mgd (daily)	0.850 mgd (30-day average)		
<i>HUC:</i>	0205010614	<i>Drainage Area:</i>	8,740 mi <sup>2</sup>	<i>Stream Class:</i>	WWF
<i>Q7-10:</i>	302,306 gpm	<i>ADF:</i>	11,065 cfs	<i>Passby Required:</i>	No, requested rate of withdrawal is 0.3% of the calculated Q7-10
<b>Commission staff's recommended action:</b> Maximum instantaneous rate of withdrawal is limited to the requested 1,000 gpm; peak day is limited to the requested 0.999 mgd.					

**Susquehanna River-3 (Map ID 23)**

**SRBC Docket No. 20080903**

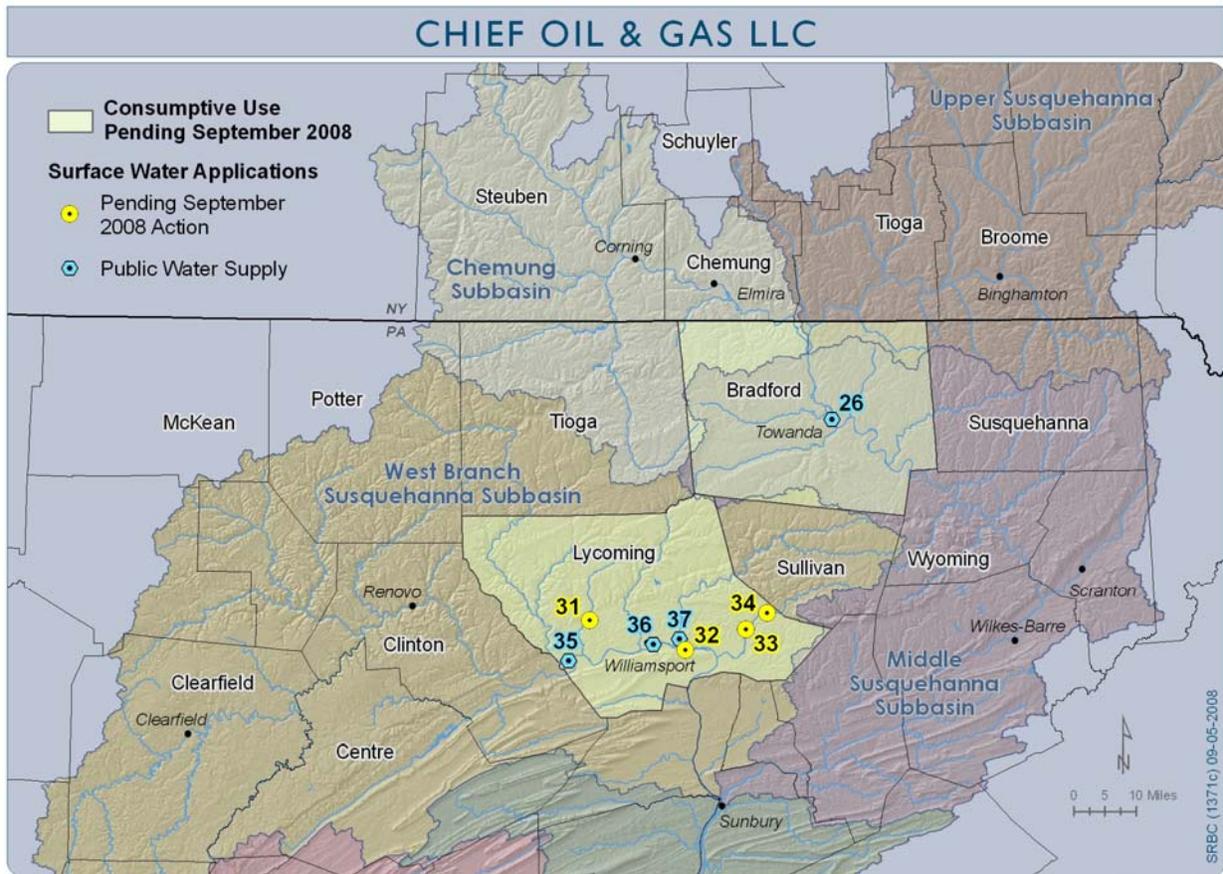
<i>State:</i>	NY	<i>County:</i>	Tioga	<i>Municipality:</i>	Town of Tioga
<i>Requested Withdrawal:</i>	1,000 gpm	0.999 mgd (daily)	0.850 mgd (30-day average)		
<i>HUC:</i>	0205010315	<i>Drainage Area:</i>	4,570 mi <sup>2</sup>	<i>Stream Class:</i>	C
<i>Q7-10:</i>	164,430 gpm	<i>ADF:</i>	7,304 cfs	<i>Passby Required:</i>	No, requested rate of withdrawal is 0.6% of the calculated Q7-10
<b>Commission staff's recommended action:</b> Maximum instantaneous rate of withdrawal is limited to the requested 1,000 gpm; peak day is limited to the requested 0.999 mgd.					

**Susquehanna River-4 (Map ID 24)**

**SRBC Docket No. 20080907**

<i>State:</i>	PA	<i>County:</i>	Susquehanna	<i>Municipality:</i>	Oakland Township
<i>Requested Withdrawal:</i>	1,000 gpm	0.999 mgd (daily)	0.850 mgd (30-day average)		
<i>HUC:</i>	0205010128	<i>Drainage Area:</i>	2,010 mi <sup>2</sup>	<i>Stream Class:</i>	WWF
<i>Q7-10:</i>	76,546 gpm	<i>ADF:</i>	3,226 cfs	<i>Passby Required:</i>	No, requested rate of withdrawal is 1.3% of the calculated Q7-10 flow
<b>Commission staff's recommended action:</b> Maximum instantaneous rate of withdrawal is limited to the requested 1,000 gpm; peak day is limited to the requested 0.999 mgd.					

<i>State:</i>	PA	<i>County:</i>	Bradford	<i>Municipality:</i>	Wysox Township
<i>Requested Withdrawal:</i>	1,000 gpm	0.999 mgd (daily)	0.850 mgd (30-day average)		
<i>HUC:</i>	0205010605	<i>Drainage Area:</i>	7,790 mi <sup>2</sup>	<i>Stream Class:</i>	WWF
<i>Q7-10:</i>	282,958 gpm	<i>ADF:</i>	9,991 cfs	<i>Passby Required:</i>	No, requested rate of withdrawal is 0.4% of the calculated Q7-10 flow
<b>Commission staff's recommended action:</b> Maximum instantaneous rate of withdrawal is limited to the requested 1,000 gpm; peak day is limited to the requested 0.999 mgd.					



## Chief Oil & Gas LLC

**Consumptive Water Use of up to 5,000 mgd**

**SRBC Docket No. 20080934**

For operations in Lycoming County, Pennsylvania; withdrawals from the following sources:

**Consumptive Water Use of up to 5,000 mgd**

**SRBC Docket No. 20080911**

For operations in Bradford County, Pennsylvania; withdrawals from the following sources:

Map ID	Source	Approved Quantity (mgd)
31	Larrys Creek (Mifflin Township)	0.086
32	Loyalsock Creek (Montoursville Borough)	0.099
33	Muncy Creek -1 (Picture Rocks Borough)	0.099
34	Muncy Creek -2 (Penn Township)	0.099
35	Jersey Shore Joint Water Authority	0.020*
36	Williamsport Municipal Water Authority	0.020*
37	Borough of Montoursville	0.020*
26	Towanda Municipal Authority	0.100*

*\*Maximum quantity the public water supplier has agreed to provide.*

## Larrys Creek (Map ID 31)

SRBC Docket No. 20080936

<i>State:</i>	PA	<i>County:</i>	Lycoming	<i>Municipality:</i>	Mifflin Township
<i>Requested Withdrawal:</i>	85 gpm	0.099 mgd (daily)	0.060 mgd (30-day average)		
<i>HUC:</i>	0205020601	<i>Drainage Area:</i>	32.9 mi <sup>2</sup>	<i>Stream Class:</i>	HQ-CWF
<i>Q7-10:</i>	651.47 gpm	<i>ADF:</i>	52.74 cfs	<i>Passby Required:</i>	Yes, at requested rate
<b>Commission staff's recommended action:</b> Considering percent of Q7-10 flow and upstream cumulative impacts, reduce the maximum instantaneous rate of withdrawal from 85 gpm to 60 gpm. Peak day withdrawal should be limited to 0.086 mgd.					

## Loyalsock Creek (Map ID 32)

SRBC Docket No. 20080939

<i>State:</i>	PA	<i>County:</i>	Lycoming	<i>Municipality:</i>	Montoursville Borough
<i>Requested Withdrawal:</i>	300 gpm	0.099 mgd (daily)	0.099 mgd (30-day average)		
<i>HUC:</i>	0205020605	<i>Drainage Area:</i>	496 mi <sup>2</sup>	<i>Stream Class:</i>	TSF
<i>Q7-10:</i>	11,310 gpm	<i>ADF:</i>	865.43 cfs	<i>Passby Required:</i>	No, requested rate is 2.7% of the calculated Q7-10 flow
<b>Commission staff's recommended action:</b> Maximum instantaneous rate of withdrawal is limited to the requested 300 gpm; peak day is limited to the requested 0.099 mgd.					

## Muncy Creek-1 (Map ID 33)

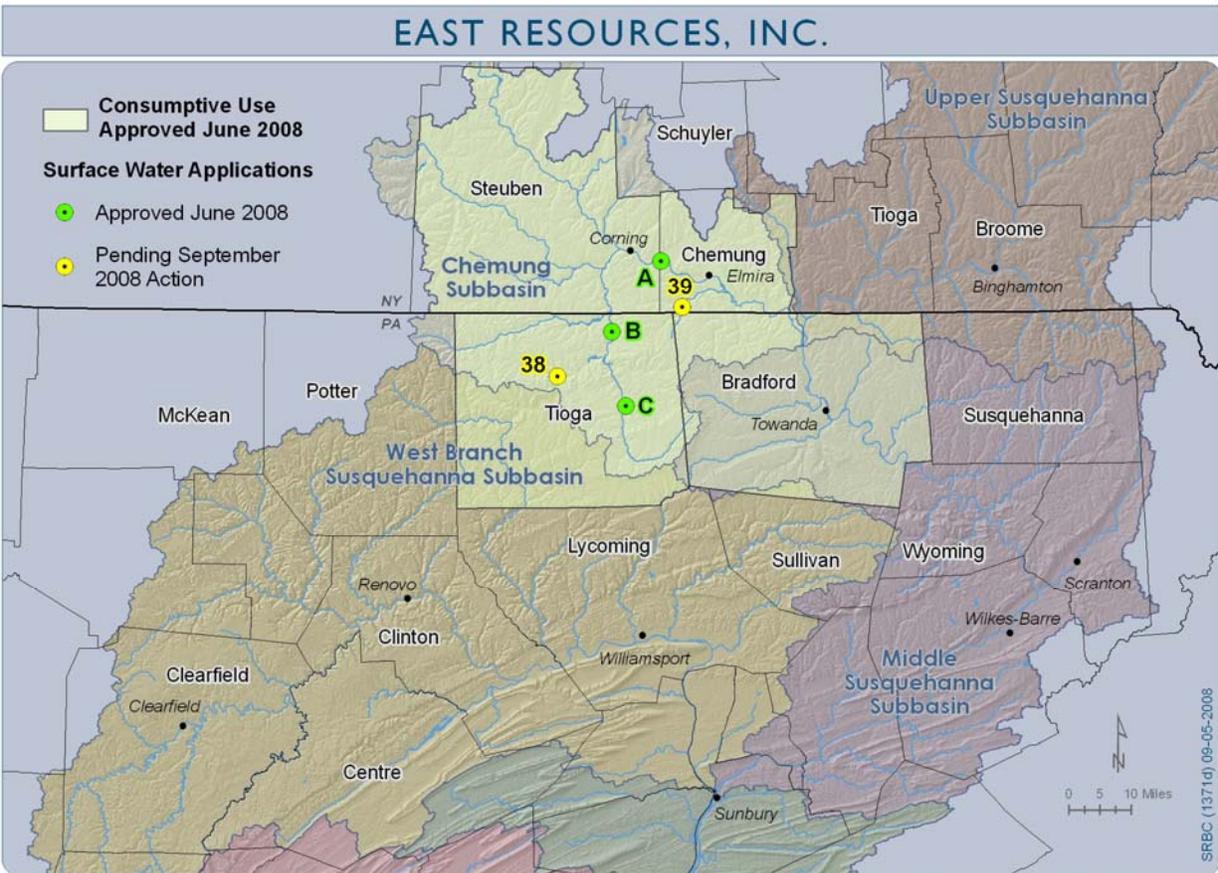
SRBC Docket No. 20080938

<i>State:</i>	PA	<i>County:</i>	Lycoming	<i>Municipality:</i>	Picture Rocks Borough
<i>Requested Withdrawal:</i>	70 gpm	0.099 mgd (daily)	0.060 mgd (30-day average)		
<i>HUC:</i>	0205020608	<i>Drainage Area:</i>	83.9 mi <sup>2</sup>	<i>Stream Class:</i>	TSF
<i>Q7-10:</i>	1,740 gpm	<i>ADF:</i>	168.51 cfs	<i>Passby Required:</i>	No, requested rate is 4.0% of the calculated Q7-10 flow
<b>Commission staff's recommended action:</b> Maximum instantaneous rate of withdrawal is limited to the requested 70 gpm; peak day is limited to the requested 0.099 mgd. Considering percent of Q7-10 flow and upstream cumulative impacts, only one of the two intakes on Muncy Creek should be used on any given day. In addition, both withdrawal sources on Muncy Creek should be limited to a total withdrawal of 0.099 mgd.					

## Muncy Creek-2 (Map ID 34)

SRBC Docket No. 20080935

<i>State:</i>	PA	<i>County:</i>	Lycoming	<i>Municipality:</i>	Penn Township
<i>Requested Withdrawal:</i>	70 gpm	0.099 mgd (daily)	0.060 mgd (30-day average)		
<i>HUC:</i>	0205020608	<i>Drainage Area:</i>	65.9 mi <sup>2</sup>	<i>Stream Class:</i>	TSF
<i>Q7-10:</i>	1,367 gpm	<i>ADF:</i>	132.35 cfs	<i>Passby Required:</i>	No, requested rate is 5.1% of the calculated Q7-10 flow
<b>Commission staff's recommended action:</b> Maximum instantaneous rate of withdrawal is limited to the requested 70 gpm; peak day is limited to the requested 0.099 mgd. Considering percent of Q7-10 flow and upstream cumulative impacts, only one of the two intakes on Muncy Creek should be used on any given day. In addition, both withdrawal sources on Muncy Creek should be limited to a total withdrawal of 0.099 mgd.					



**East Resources, Inc.**

**Consumptive Water Use of up to 4.000 mgd**

**SRBC Docket No. 20080603**

For operations in Chemung and Steuben Counties, New York, and Tioga County, Pennsylvania.

**Consumptive Water Use of up to 4.000 mgd**

**SRBC Docket No. 20080608**

For operations in Tioga and Bradford Counties, Pennsylvania; withdrawals from the following sources:

<b>Map ID</b>	<b>Source</b>	<b>Approved Quantity (mgd)</b>
38	Crooked Creek	0.036
39	Seeley Creek	0.036
A	Chemung River at Big Flats – Docket No. 20080604	0.107
B	Tioga River at Tioga Junction – Docket No. 20080606	0.107
C	Tioga River at Mansfield – Docket No. 20080609	0.107

**Crooked Creek (Map ID 38)**

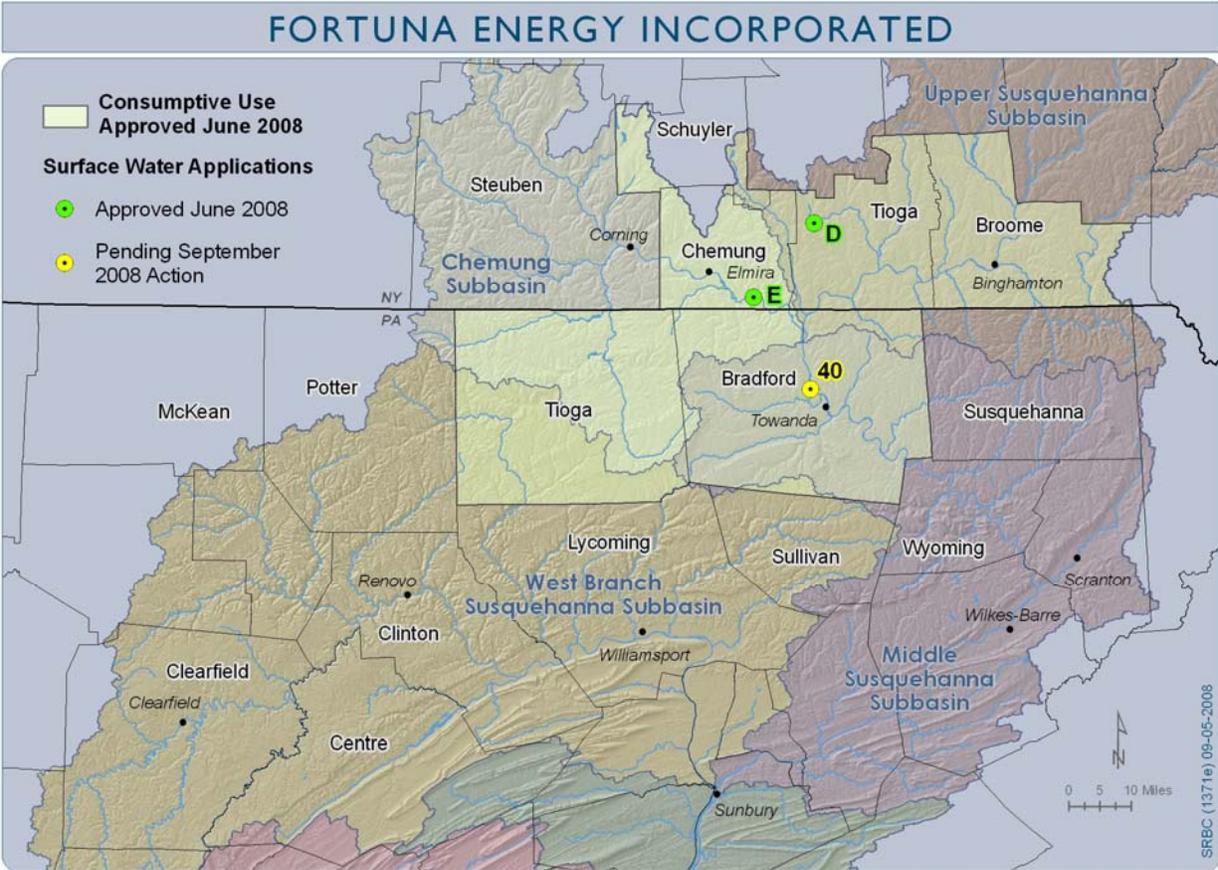
**SRBC Docket No. 20080910**

<i>State:</i>	PA	<i>County:</i>	Tioga	<i>Municipality:</i>	Tioga Township
<i>Requested Withdrawal:</i>	400 gpm		0.036 mgd (daily)	0.036 mgd (30-day average)	
<i>HUC:</i>	0205010402	<i>Drainage Area:</i>	48.2 mi <sup>2</sup>	<i>Stream Class:</i>	WWF
<i>Q7-10:</i>	407.85 gpm	<i>ADF:</i>	44.25 cfs	<i>Passby Required:</i>	Yes, at requested rate
<p><b>Commission staff's recommended action:</b> Considering the percent of Q7-10 flow and upstream cumulative impacts, reduce the maximum instantaneous rate of withdrawal from 400 gpm to 40 gpm. Peak day withdrawal should be limited to the requested 0.036 mgd.</p>					

**Seeley Creek (Map ID 39)**

**SRBC Docket No. 20080901**

<i>State:</i>	NY	<i>County:</i>	Chemung	<i>Municipality:</i>	Town of Southport
<i>Requested Withdrawal:</i>	400 gpm		0.036 mgd (daily)	0.036 mgd (30-day average)	
<i>HUC:</i>	0205010520	<i>Drainage Area:</i>	81.1 mi <sup>2</sup>	<i>Stream Class:</i>	C(T)
<i>Q7-10:</i>	1,648 gpm	<i>ADF:</i>	78.71 cfs	<i>Passby Required:</i>	Yes, at requested rate
<p><b>Commission staff's recommended action:</b> Considering the percent of Q7-10 flow and upstream cumulative impacts, reduce the maximum instantaneous rate of withdrawal from 400 gpm to 145 gpm. Peak day should be limited to the requested 0.036 mgd.</p>					



**Fortuna Energy Inc.**

**Consumptive Water Use of up to 3,000 mgd**

**SRBC Docket No. 20080601**

For operations in Chemung, Schuyler, Tioga, and Broome Counties, New York, and Tioga and Bradford Counties, Pennsylvania; withdrawal from the following source:

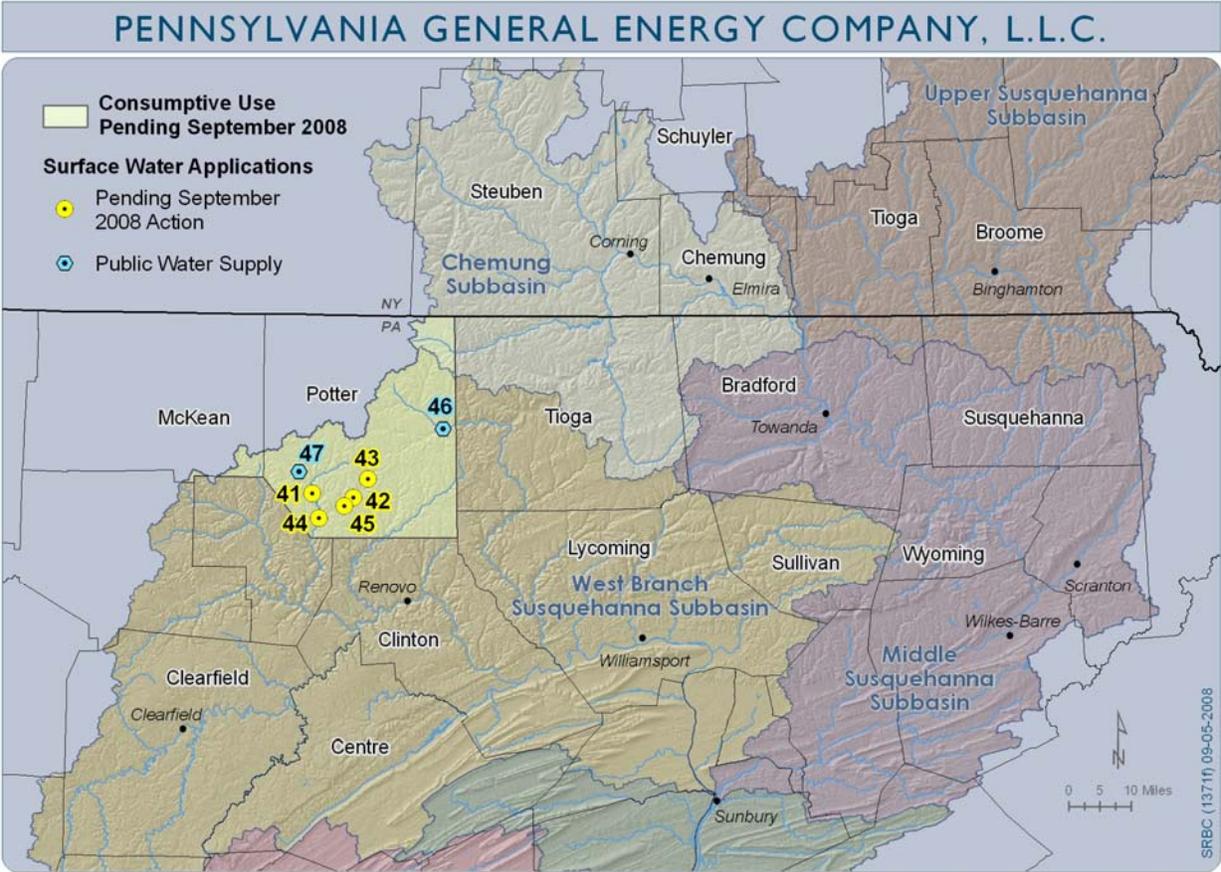
Map ID	Source	Approved Quantity (mgd)
40	Susquehanna River	0.250
D	Catontk Creek – Docket No. 20080602	0.101
E	Chemung River at Chemung – Docket No. 20080605	0.250

**Susquehanna River (Map ID 40)**

**SRBC Docket No. 20080909**

<i>State:</i>	PA	<i>County:</i>	Bradford	<i>Municipality:</i>	Sheshequin Township
<i>Requested Withdrawal:</i>	1,400 gpm	0.250 mgd (daily)	0.250 mgd (30-day average)		
<i>HUC:</i>	0205010605	<i>Drainage Area:</i>	7,590 mi <sup>2</sup>	<i>Stream Class:</i>	WWF
<i>Q7-10:</i>	275,693 gpm	<i>ADF:</i>	9,734 cfs	<i>Passby Required:</i>	No, requested rate of withdrawal is 0.5% of the calculated Q7-10 flow

**Commission staff’s recommended action:** Maximum instantaneous rate of withdrawal is limited to the requested 1,400 gpm; peak day is limited to the requested 0.250 mgd.



**Pennsylvania General Energy Company, L.L.C.**

**Consumptive Water Use of up to 4.900 mgd**

**SRBC Docket No. 20080921**

For operations in Potter and McKean Counties, Pennsylvania; withdrawals from the following sources:

<b>Map ID</b>	<b>Source</b>	<b>Approved Quantity (mgd)</b>
41	First Fork Sinnemahoning Creek-1 (Sylvania Township)	0.107
42	East Fork Sinnemahoning Creek-1 (East Fork Township)	0.025
43	East Fork Sinnemahoning Creek-2 (East Fork Township)	0.008
44	First Fork Sinnemahoning Creek-2 (Wharton Township)	0.231
45	East Fork Sinnemahoning Creek-3 (Wharton Township)	0.027
46	Galeton Borough Authority	0.080*
47	Austin Borough Water	0.109*
<i>*Maximum quantity the public water supplier has agreed to provide.</i>		

**First Fork Sinnemahoning Creek-1 (Map ID 41)**

**SRBC Docket No. 20080924**

<i>State:</i>	PA	<i>County:</i>	Potter	<i>Municipality:</i>	Sylvania Township
<i>Requested Withdrawal:</i>	222 gpm	0.107 mgd (daily)	0.107 mgd (30-day average)		
<i>HUC:</i>	0205020204	<i>Drainage Area:</i>	103 mi <sup>2</sup>	<i>Stream Class:</i>	HQ-CWF
<i>Q7-10:</i>	1,056 gpm	<i>ADF:</i>	167.64 cfs	<i>Passby Required:</i>	Yes, requested rate of withdrawal is 21.1% of the calculated Q7-10 flow

**Commission staff's recommended action:** Considering percent of Q7-10 flow and upstream cumulative impacts, reduce maximum instantaneous rate of withdrawal from 222 gpm to 105 gpm. Peak day should be limited to the requested 0.107 mgd. In addition, all five withdrawal sources on the branches of Sinnemahoning Creek should be limited to a total 0.231 mgd.

**East Fork Sinnemahoning Creek-1 (Map ID 42)**

**SRBC Docket No. 20080925**

<i>State:</i>	PA	<i>County:</i>	Potter	<i>Municipality:</i>	East Fork Township
<i>Requested Withdrawal:</i>	51 gpm	0.0247 mgd (daily)	0.0247 mgd (30-day average)		
<i>HUC:</i>	0205020204	<i>Drainage Area:</i>	30.3 mi <sup>2</sup>	<i>Stream Class:</i>	HQ-CWF
<i>Q7-10:</i>	500.42 gpm	<i>ADF:</i>	47.75 cfs	<i>Passby Required:</i>	Yes, requested rate of withdrawal is 10.3% of the calculated Q7-10

**Commission staff's recommended action:** Considering percent of Q7-10 flow and upstream cumulative impacts, reduce maximum instantaneous rate of withdrawal from 51 gpm to 50 gpm. Peak day should be limited to the requested 0.0247 mgd. Only one of the three intakes (Horton, East Fork, and Purdy) on the East Fork of the Sinnemahoning Creek should be used on any given day. In addition, all five withdrawal sources on the branches of Sinnemahoning Creek should be limited to a total 0.231 mgd.

**East Fork Sinnemahoning Creek-2 (Map ID 43)**

**SRBC Docket No. 20080922**

<i>State:</i>	PA	<i>County:</i>	Potter	<i>Municipality:</i>	East Fork Township
<i>Requested Withdrawal:</i>	16.6 gpm	0.008 mgd (daily)	0.008 mgd (30-day average)		
<i>HUC:</i>	0205020204	<i>Drainage Area:</i>	11.7 mi <sup>2</sup>	<i>Stream Class:</i>	HQ-CWF
<i>Q7-10:</i>	193.23 gpm	<i>ADF:</i>	18.44 cfs	<i>Passby Required:</i>	No, at the requested withdrawal rate; however, cumulative impact of total withdrawals is 36.2% of the calculated Q7-10 flow

**Commission staff's recommended action:** Maximum instantaneous rate of withdrawal is limited to the requested 16.6 gpm, peak day should be limited to the requested 0.008 mgd. Only one of the three intakes (Horton, East Fork, and Purdy) on the East Fork of the Sinnemahoning Creek should be used on any given day. In addition, all 5 withdrawal sources on the branches of Sinnemahoning Creek should be limited to a total 0.231 mgd.

**First Fork Sinnemahoning Creek-2 (Map ID 44)**

**SRBC Docket No. 20080928**

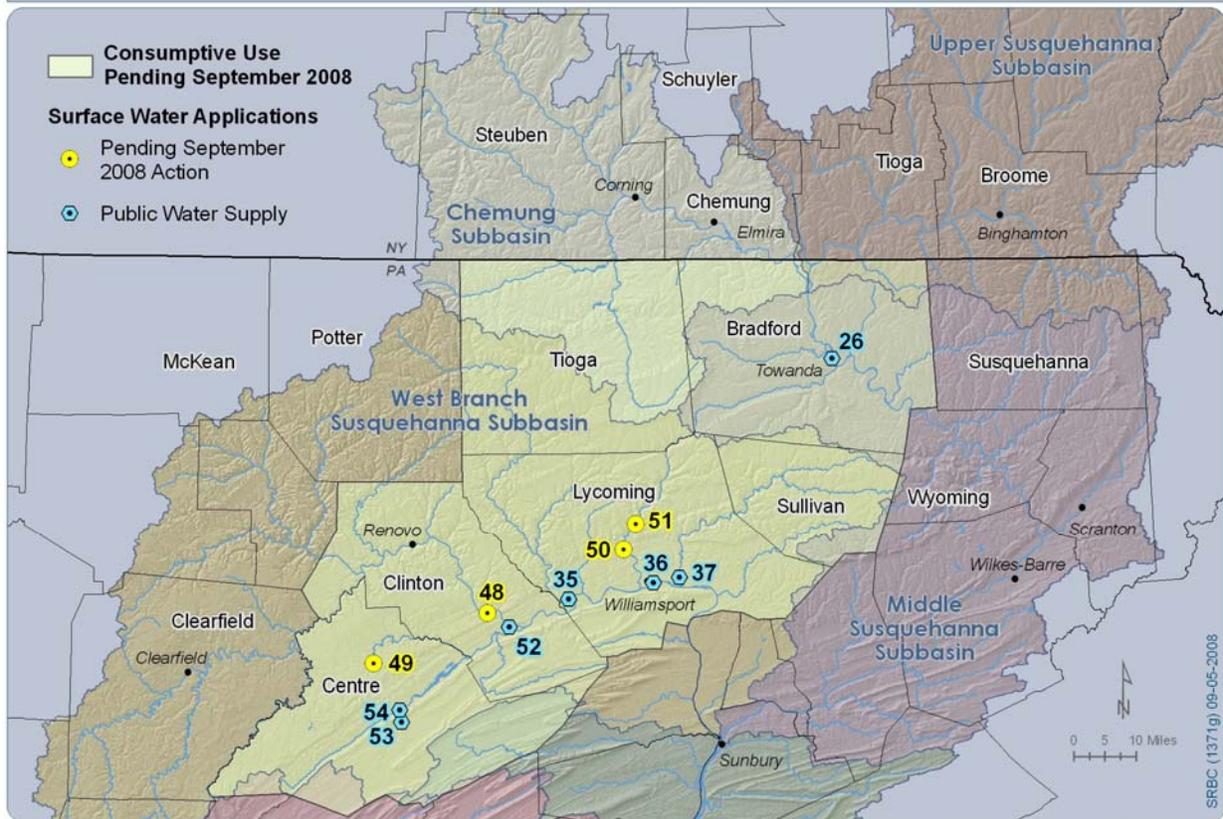
<i>State:</i>	PA	<i>County:</i>	Potter	<i>Municipality:</i>	Wharton Township
<i>Requested Withdrawal:</i>	481 gpm		0.231 mgd (daily)	0.231 mgd (30-day average)	
<i>HUC:</i>	0205020204	<i>Drainage Area:</i>	179.0 mi <sup>2</sup>	<i>Stream Class:</i>	HQ-CWF
<i>Q7-10:</i>	1,836 gpm	<i>ADF:</i>	291.34 cfs	<i>Passby Required:</i>	Yes, requested rate of withdrawal is 26.2% of the calculated Q7-10 flow
<p><b>Commission staff's recommended action:</b> Considering percent of Q7-10 flow and upstream cumulative impacts, reduce maximum instantaneous rate of withdrawal from 481 gpm to 183 gpm. Peak day should be limited to the requested 0.231 mgd. In addition, all 5 withdrawal sources on the branches of Sinnemahoning Creek should be limited to a total 0.231 mgd.</p>					

**East Fork Sinnemahoning Creek-3 (Map ID 45)**

**SRBC Docket No. 20080926**

<i>State:</i>	PA	<i>County:</i>	Potter	<i>Municipality:</i>	Wharton Township
<i>Requested Withdrawal:</i>	56.67 gpm		0.027 mgd (daily)	0.027 mgd (30-day average)	
<i>HUC:</i>	0205020204	<i>Drainage Area:</i>	32.7 mi <sup>2</sup>	<i>Stream Class:</i>	HQ-CWF
<i>Q7-10:</i>	540 gpm	<i>ADF:</i>	51.53 cfs	<i>Passby Required:</i>	Yes, requested rate of withdrawal is 10.5% of the calculated Q7-10 flow
<p><b>Commission staff's recommended action:</b> Considering percent of Q7-10 flow and upstream cumulative impacts, reduce maximum instantaneous rate of withdrawal from 56.67 gpm to 54 gpm. Peak day should be limited to the requested 0.027 mgd. Only one of the three intakes (Horton, East Fork, and Purdy) on the East Fork of the Sinnemahoning Creek should be used on any given day. In addition, all 5 withdrawal sources on the branches of Sinnemahoning Creek should be limited to a total 0.231 mgd.</p>					

## RANGE RESOURCES APPALACHIA, LLC



## Range Resources Appalachia, LLC

**Consumptive Water Use of up to 5,000 mgd**

**SRBC Docket No. 20080931**

For operations in Bradford, Centre, Clinton, Lycoming, Sullivan, and Tioga Counties, Pennsylvania; withdrawals from the following sources:

Map ID	Source	Approved Quantity (mgd)
48	West Branch Susquehanna River (Colebrook Township)	0.200
49	Beech Creek (Snow Shoe Township)	0.200
50	Lycoming Creek -1 (Hepburn Township)	0.200
51	Lycoming Creek -2 (Lewis Township)	0.200
35	Jersey Shore Joint Water Authority	0.020*
36	Williamsport Municipal Water Authority	0.020*
52	City of Lock Haven Water Department	0.020*
53	Borough of Bellefonte	0.020*
37	Borough of Montoursville	0.020*
54	Milesburg Water System	0.020*
26	Towanda Municipal Authority	0.020*

*\*Maximum quantity the public water supplier has agreed to provide.*

**West Branch Susquehanna River (Map ID 48)**

**SRBC Docket No. 20080940**

<i>State:</i>	PA	<i>County:</i>	Clinton	<i>Municipality:</i>	Colebrook Township
<i>Requested Withdrawal:</i>	680 gpm		0.200 mgd (daily)	0.200 mgd (30-day average)	
<i>HUC:</i>	0205020606	<i>Drainage Area:</i>	3,280 mi <sup>2</sup>	<i>Stream Class:</i>	WWF
<i>Q7-10:</i>	118,762 gpm	<i>ADF:</i>	5,424 cfs	<i>Passby Required:</i>	No, requested withdrawal is 0.6% of the calculated Q7-10 flow
<b>Commission staff's recommended action:</b> Maximum instantaneous rate of withdrawal is limited to the requested 680 gpm; peak day should be limited to the requested 0.200 mgd.					

**Beech Creek (Map ID 49)**

**SRBC Docket No. 20080945**

<i>State:</i>	PA	<i>County:</i>	Centre	<i>Municipality:</i>	Snow Shoe Township
<i>Requested Withdrawal:</i>	180 gpm		0.200 mgd (daily)	0.200 mgd (30-day average)	
<i>HUC:</i>	0205020402	<i>Drainage Area:</i>	39.5 mi <sup>2</sup>	<i>Stream Class:</i>	CWF (impaired)
<i>Q7-10:</i>	1,737 gpm	<i>ADF:</i>	68.09 cfs	<i>Passby Required:</i>	Yes, at requested rate.
<b>Commission staff's recommended action:</b> Considering percent of Q7-10 and upstream cumulative impact analysis, reduce the maximum instantaneous rate of withdrawal from 180 gpm to 170 gpm. Peak day withdrawal should be limited to the requested 0.200 mgd.					

**Lycoming Creek-1 (Map ID 50)**

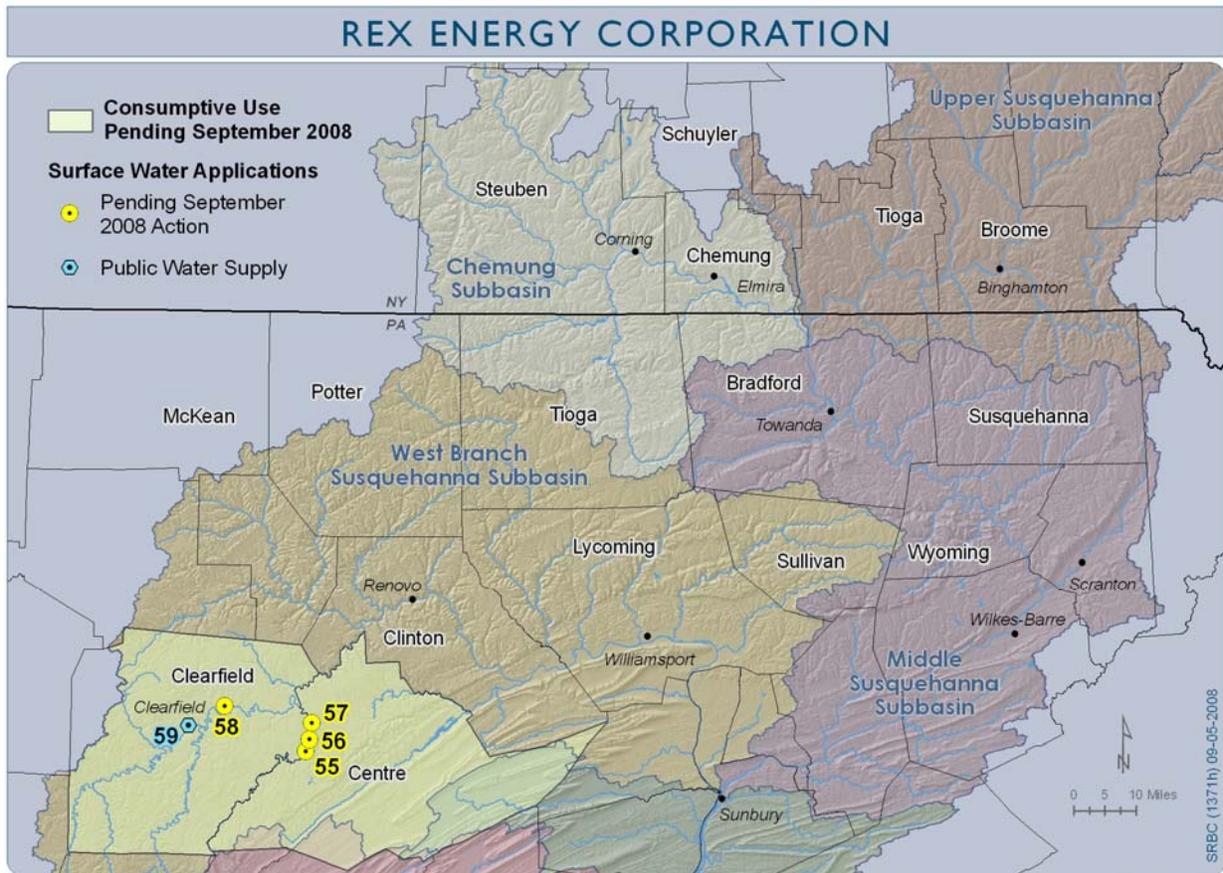
**SRBC Docket No. 20080933**

<i>State:</i>	PA	<i>County:</i>	Lycoming	<i>Municipality:</i>	Hepburn Township
<i>Requested Withdrawal:</i>	180 gpm		0.200 mgd (daily)	0.200 mgd (30-day average)	
<i>HUC:</i>	0205020602	<i>Drainage Area:</i>	211 mi <sup>2</sup>	<i>Stream Class:</i>	CWF
<i>Q7-10:</i>	4,160 gpm	<i>ADF:</i>	348.8 cfs	<i>Passby Required:</i>	No, requested withdrawal is 4.3% of the calculated Q7-10 flow
<b>Commission staff's recommended action:</b> Maximum instantaneous rate of withdrawal is limited to the requested 180 gpm; peak day should be limited to the requested 0.200 mgd.					

**Lycoming Creek-2 (at Trout Run) (Map ID 51)**

**SRBC Docket No. 20080932**

<i>State:</i>	PA	<i>County:</i>	Lycoming	<i>Municipality:</i>	Lewis Township
<i>Requested Withdrawal:</i>	180 gpm		0.200 mgd (daily)	0.200 mgd (30-day average)	
<i>HUC:</i>	0205020602	<i>Drainage Area:</i>	196 mi <sup>2</sup>	<i>Stream Class:</i>	CWF
<i>Q7-10:</i>	3,864 gpm	<i>ADF:</i>	324 cfs	<i>Passby Required:</i>	No, requested withdrawal is 4.7% of the calculated Q7-10 flow
<b>Commission staff's recommended action:</b> Maximum instantaneous rate of withdrawal is limited to the requested 180 gpm; peak day should be limited to the requested 0.200 mgd.					



## Rex Energy Corporation

**Consumptive Water Use of up to 5,000 mgd**

**SRBC Docket No. 20080941**

For operations in Centre and Clearfield Counties, Pennsylvania; withdrawals from the following sources:

Map ID	Source	Approved Quantity (mgd)
55	Moshannon Creek-1 (Rush Township)	1.440
56	Moshannon Creek-2 (Rush Township)	1.584
57	Moshannon Creek-3 (Snow Shoe Township)	2.000
58	West Branch Susquehanna River (Goshen Township)	2.160
59	Clearfield Municipal Authority	0.150*
<i>*Maximum quantity the public water supplier has agreed to provide.</i>		

**Moshannon Creek-1 (Map ID 55)**

**SRBC Docket No. 20080948**

<i>State:</i>	PA	<i>County:</i>	Centre	<i>Municipality:</i>	Rush Township
<i>Requested Withdrawal:</i>	2,083 gpm	2.00 mgd (daily)	1.50 mgd (30-day average)		
<i>HUC:</i>	0205020105	<i>Drainage Area:</i>	195 mi <sup>2</sup>	<i>Stream Class:</i>	TSF (impaired)
<i>Q7-10:</i>	10,736 gpm	<i>ADF:</i>	314.61 cfs	<i>Passby Required:</i>	Yes, at requested rate.
<p><b>Commission staff's recommended action:</b> Considering percent of Q7-10 flow and upstream cumulative impacts, reduce maximum instantaneous rate of withdrawal from 2,083 gpm to 1,050 gpm. Peak day withdrawal should be limited to 1.440 mgd. In addition, all three withdrawal sources on Moshannon Creek should be limited to a total of 2.000 mgd.</p>					

**Moshannon Creek-2 (Map ID 56)**

**SRBC Docket No. 20080947**

<i>State:</i>	PA	<i>County:</i>	Centre	<i>Municipality:</i>	Rush Township
<i>Requested Withdrawal:</i>	2,083 gpm	2.00 mgd (daily)	1.50 mgd (30-day average)		
<i>HUC:</i>	0205020105	<i>Drainage Area:</i>	200 mi <sup>2</sup>	<i>Stream Class:</i>	TSF (impaired)
<i>Q7-10:</i>	11,012 gpm	<i>ADF:</i>	322.67 cfs	<i>Passby Required:</i>	Yes, at requested rate
<p><b>Commission staff's recommended action:</b> Considering percent of Q7-10 flow and upstream cumulative impacts, reduce maximum instantaneous rate of withdrawal from 2,083 gpm to 1,100 gpm. Peak day withdrawal should be limited to 1.584 mgd. In addition, all three withdrawal sources on Moshannon Creek should be limited to a total of 2.000 mgd.</p>					

**Moshannon Creek-3 (Map ID 57)**

**SRBC Docket No. 20080946**

<i>State:</i>	PA	<i>County:</i>	Centre	<i>Municipality:</i>	Snow Shoe Township
<i>Requested Withdrawal:</i>	2,083 gpm	2.000 mgd (daily)	1.50 mgd (30-day average)		
<i>HUC:</i>	0205020105	<i>Drainage Area:</i>	263 mi <sup>2</sup>	<i>Stream Class:</i>	TSF (impaired)
<i>Q7-10:</i>	14,480 gpm	<i>ADF:</i>	424 cfs	<i>Passby Required:</i>	Yes, at requested rate
<p><b>Commission staff's recommended action:</b> Considering percent of Q7-10 flow and upstream cumulative impacts, reduce maximum instantaneous rate of withdrawal from 2,083 gpm to 1,440 gpm. Peak day withdrawal should be limited to the requested 2.000 mgd. In addition, all three withdrawal sources on Moshannon Creek should be limited to a total of 2.000 mgd.</p>					

**West Branch Susquehanna River (Map ID 58)**

**SRBC Docket No. 20080944**

<i>State:</i>	PA	<i>County:</i>	Clearfield	<i>Municipality:</i>	Goshen Township
<i>Requested Withdrawal:</i>	6,000 gpm	5.000 mgd (daily)	3.00 mgd (30-day average)		
<i>HUC:</i>	0205020107	<i>Drainage Area:</i>	988 mi <sup>2</sup>	<i>Stream Class:</i>	WWF
<i>Q7-10:</i>	60,966 gpm	<i>ADF:</i>	1,716 cfs	<i>Passby Required:</i>	Yes, at the requested rate
<p><b>Commission staff's recommended action:</b> Reduce the maximum instantaneous rate of withdrawal from 6,000 gpm to 1,500 gpm; peak day withdrawal should be reduced to 2.160 mgd.</p>					

***NOTES:***



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