

Oil & Gas Facility Summary

Facility Designation

MSW - Currently accepts Marcellus Shale Waste Water

O&G - Currently accepts Oil and Gas Waste Water not in the Marcellus Shale Formation.

P - Proposed Facility (i.e. PMSW, PO&G means Proposed Marcellus Shale Waste and Proposed Oil and Gas Waste not in the Marcellus Shale Formation)

SW - Stripper Well

SWRO

<u>NAME</u>	<u>Permit Number</u>	<u>Receiving Stream</u>	<u>Flow (GPD)</u>	<u>County</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Municipality</u>	<u>TYPE</u>	<u>Status / NOTES</u>	<u>Facility Designation</u>
Shallenberger Construction	PA0253669	Rankin Run	0.125 mgd	Fayette	39.9574	-79.8083	Dunbar Township	Existing IW	Facility not constructed WQM Part II pending--Rankin Run Tophole Water	PMSW, PO&G
Shallenberger Construction	PA0253723	Monongahela River	0.5 mgd	Fayette	39.8744	-79.9177	German Township	Existing IW	Facility not constructed WQM Part II pending--RONCO CWT	PMSW, PO&G
PA Brine Josephine (Franklin Brine)	PA0095273	Blacklick Creek	0.155 mgd	Indiana	40.4797	79.1703	Burrel Township	Existing IW	Oil and Gas wastewaters. Currently under detailed compliance review.	O&G, MSW
Hart Resource	PA0095443	McKee Run	0.045M	Indiana	40.675	-79.1875	Washington Township	Existing IW	Oil and Gas wastewaters. Currently under detailed compliance review.	O&G, MSW
Tunnelton Liquids	PA0091472	Conemaugh River	1M	INDIANA	40.4539	-79.3767	Conemaugh Twp	Existing IW	Renewal Pending--Acid Mine Drainage, Oil and Gas Wastes, Storm Water Runoff and Mine Drainage	O&G, MSW
Mon Valley Brine	PA0253782	Monongahela River	0.2 mgd	WASHINGTON	40.1661	-79.8567	Donora Boro	IW Application	Oil and Gas wastewaters-CWT-Proposed Facility	PMSW, PO&G
Green Earth Wastewater	PA0253821	Dunkard Creek	0.25 mgd	GREENE	39.7439	-80.0624	Center Twp	IW Application	Oil and Gas wastewaters-CWT-Proposed Facility	PMSW, PO&G
Shallenberger Construction	PA0253863	Youghiogheny River	1.0 mgd	FAYETTE	40.0453	-79.6086	Upper Tyrone Twp	IW Application	Oil and Gas wastewaters-CWT-Proposed Facility	PMSW, PO&G
Somerset Regional Water Resources, LLC	PA0253987	East Branch Coxes Creek	1M AVE / 1.3 M MAX	SOMERSET	40 00 27.6	79 04 17.4	Somerset Twsp	IW Application	RO and evaporators are proposed to treat oil and gas and mine drainage.	PMSW, PO&G
Clairton Municipal Authority	PA0026824	Peters Creek	6M	Allegheny	40 18 13	79 52 57	Clairton	POTW	O&G waste flow limited to 1% of Avg Daily flow at POTW by DEP order.	O&G, MSW
Municipal Authority City of McKeesport	PA0026913	Monongahela River	11.5M	Allegheny	40 21 11	79 52 19	City of McKeesport	POTW	O&G waste flow limited to 1% of Avg Daily flow at POTW by DEP order.	O&G, MSW

Municipal Authority of Belle Vernon	PA0092355 and PA0092355-A1	Monongahela River	0.5M, 1M respectively	Fayette	40 07 10	79 52 36	Belle Vernon	POTW	O&G waste flow limited to 1% of Avg Daily flow at POTW by DEP order. This facility no longer accepts large volumes of oil and gas wastewater.	O&G, MSW
Brownsville Municipal Authority	PA0022306	Dunlap Creek	0.96M	Fayette	40 01 11	79 52 58	Brownsville Borough	POTW	O&G waste flow limited to 1% of Avg Daily flow at POTW by DEP order. This facility no longer accepts large volumes of oil and gas wastewater.	O&G, MSW
Waynesburg Borough	PA0020613	Sourh Fork Tenmile Creek	0.8M	Greene	39 53 48	80 09 53	Franklin Township	POTW	O&G waste flow limited to 1% of Avg Daily flow at POTW by DEP order. This facility no longer accepts large volumes of oil and gas wastewater.	O&G, MSW
Borough of California	PA0022241	Monongahela River	1M	Washington	40 04 11	79 53 46	California Borough	POTW	O&G waste flow limited to 1% of Avg Daily flow at POTW by DEP order. This facility no longer accepts large volumes of oil and gas wastewater.	O&G, MSW
Franklin Township Sewer Authority	PA0046426	Sourh Fork Tenmile Creek	1.25M	Greene	39 54 09	80 09 01	Franklin Township	POTW	O&G waste flow will be limited to 50,000gpd by DEP order. Waste is pretreated but not for TDS or Chlorides. Chronic WETT may be required quarterly.	O&G, MSW
Authority of the Borough of Charleroi	PA0026891	Monongahela River	3M	Washington	40 08 51	79 54 10	Charleroi Borough	POTW	O&G waste flow limited to 1% of Avg Daily flow at POTW by DEP order. This facility no longer accepts large volumes of oil and gas wastewater.	O&G, MSW
Allegheny Valley Joint Sanitary Auth.	PA0026255	Allegheny River	5.5M	Allegheny	40 31 48	79 50 53	Harmar Township	POTW	Limiting O&G waste flow to 25,000 gpd and chlorides to 24000 mg/l	O&G, MSW
Johnstown Redevelopment Authority - Dornick Point STP	PA0026034	Conemaugh River	12M	Cambria	40 21 52	78 57 13	West Taylor Twp.	POTW	Limiting oil and gas waste flow to 1% of avg. daily flow.	O&G, MSW

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Allegheny Environmental Corp.	PA0102903	Allegheny River	42000	Venango	41° 22' 13.8"	79° 48' 13"	Sandycreek Twp	Existing IW Facility	Existing facility which treats only oil well production fluids from own wells where permittee let NPDES expire January 25, 2009. New application to be submitted soon.	O&G
Minard Run Oil Company	PA0105295	Lewis Run	16000	McKean	41° 50' 41.9"	78° 41' 24.4"	Lafayette Twp	Existing IW Facility	Existing facility which treats only oil well production fluids from own wells. NPDES renewal application currently being reviewed.	O&G
Big Sandy Oil Company	PA0222011	Allegheny River	6000	Venango	41° 24' 17.7"	79° 44' 11.2"	Cranberry Twp	Existing IW Facility	Existing facility which treats only oil well production fluids from own wells.	O&G
Titusville Oil and Gas Associates, Inc. - Hilton Hedley Lease	Approval No. 6106001 for coverage under GP PAG310001	Allegheny River	2000	Venango	41° 27' 22.4"	79° 36' 39.3"	Cornplanter Twp	Proposed Facility	Proposed facility to treat only oil well production fluids from own wells. Approval under general NPDES issued 1/16/2007, no Part II issued and facility not built.	SW, PO&G
Vavco LLC	Application No. 1009001 for coverage under GP PAG310001	Little Connoquenessing Creek	2000	Butler	40° 49' 41"	80° 02' 34"	Connoquenessing Twp	Proposed Facility	Proposed facility to treat only oil well production fluids from own wells. Application for coverage under GP PAG310001 submitted 2/9/09.	SW, PO&G
Synergy Oil & Gas Co. Inc.	Approval No. 6103002 for coverage under GP PAG310001	Pithole Creek	1000	Venango	41° 29' 8"	79° 35' 47"	President Twp	Existing IW Facility	Existing facility which treats only oil well production fluids from own wells. Administratively incomplete application for approval under GP PAG310001 pending.	SW, O&G
James M. Bryerton	Approval No. 6295001 for coverage under GP PAG310001	Brokenstraw Creek	1000	Warren	41° 51' 6.2"	79° 18' 8.6"	Brokenstraw Twp	Existing IW Facility	Existing facility which treats only oil well production fluids from own wells.	SW, O&G
Ridgway Borough	PA0023213	Clarion River	2,200,000 *	Elk	41° 25' 10"	78° 45' 00"	Ridgway Borough	POTW	3 Sanitary Sewer Overflows	O&G, MSW
Punxsutawney Borough	PA0020346	Mahoning Creek	2,400,000 *	Jefferson	40° 56' 29"	79° 00' 6.6"	Punxsutawney Borough	POTW	4 Combined Sewer Overflows	O&G
Brockway Area Sewage Authority	PA0028428	Toby Creek	1,500,000 *	Jefferson	41° 15' 11"	78° 47' 59"	Brockway Borough	POTW	No CSOs / SSOs. Currently 14,000 GPD to POTW. Considering addition of chemical precipitation and flow expansion to 60,000 GPD.	O&G
Reynoldsville Boro	PA0028207	Sandy Lick Creek	800,000	Jefferson	41.05.41	78.53.48	Reynoldsville Borough	POTW	6 Combined Sewer Overflows, have taken in approx 14,000 gpd of brine to POTW for a long time	O&G

New Castle City	PA0027511	Mahoning River	17,000,000 *	Lawrence	40° 58' 00"	80° 23' 22.1"	New Castle City	POTW	3 Sanitary Sewer Overflows	O&G, MSW
Advanced Waste Services / Castle Environmental	-	New Castle STP	200000	Lawrence	40° 58' 07"	80° 23' 22"	New Castle City	Indirect to POTW	Possible expansion plans from 0.2 MGD to 2.2 MGD	O&G, MSW
Waste Treatment Corporation	PA0102784	Allegheny River	400000	Warren	41° 50' 19"	79° 09' 41"	Warren City	Existing IW Facility	Existing permit allows 213,000 gpd. Requesting 400,000 gpd in pending renewal application.	O&G, PMSW
PA Brine Treatment - Franklin Facility	PA0101508	Allegheny River	300000	Venango	41° 22' 20"	79° 48' 01"	Cranberry Twp	Existing IW Facility	Existing permit allows 205,000 gpd. Requesting 300,000 gpd in pending renewal application.	O&G, PMSW
Dominion Transmission Corp - Div V	PA0101656	Stump Creek	10080	Jefferson	40° 59' 14.6"	78° 50' 36.8"	Henderson Twp	Existing IW Facility	Facility only treats Dominion's own wastewater. Most likely no Marcellus water.	O&G
PA Brine Treatment - Punxsutawney Facility	PA0263486	Mahoning Creek	60000	Jefferson	40° 55' 45"	79° 00' 21"	Young Twp	Proposed IW Facility	Application rec'd 12/15/08.	PO&G
Rock Well Petroleum Production	PA0263427	Oil Creek	125000	Crawford	41° 37' 26.33"	79° 39' 27.26"	City of Titusville	Proposed IW Facility	Wastewater is from shallow oil wells from oil mining. Rock Well filed for Chapter 15 bankruptcy on 12/16/2008. Permit being held until further notice.	O&G
PA Brine Treatment - Rouseville Facility	PA0263516	Oil Creek	80000	Venango	41° 27' 37"	79° 41' 23"	Cornplanter Twp	Proposed IW Facility	Application rec'd 3/13/2009.	PO&G

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Central PA Water Treatment, LLC	PA0233617	West Branch Susquehanna River	504,000	Clinton	41° 08' 53"	77° 22' 37"	Wayne Township	Direct Discharge	Consultant is ARM Group.	PMSW
Central PA Water Treatment, LLC	PA0233684	Moshannon Creek	504,000	Centre	40° 59' 59"	78° 03' 49"	Rush Township	Direct Discharge	Consultant is ARM Group.	PMSW
Eureka Resources / Williamsport Sanitary Authority	(PA0027057)	West Branch Susquehanna River	300,000	Lycoming	41° 14' 16"	76° 59' 24"	City of Williamsport	Indirect Discharge to POTW	EPA Approved Pretreatment Program. WSA Central WWTP (8.4 MGD)	MSW
Water Treatment Solutions	TBD	Daugherty's Run	TBD	Lycoming	TBD	TBD	City of Williamsport	Direct Discharge	Consultant is RETTEW Engineering.	PMSW

Economy Locker / Lycoming County Water & Sewer Authority	(PA0209228)	West Branch Susquehanna River	250,000	Lycoming	41° 14' 00"	76° 52' 21"	Muncy Township	Indirect Discharge to POTW	LCWSA WWTP (1.5 MGD)	PMSW
Sunbury Generation	PA0008451	Susquehanna River	80,000	Snyder	40° 49' 43"	76° 50' 08"	Monroe Township	Existing IW, Direct Discharge	Taking 80,000 gpd, approved by letter.	MSW
Jersey Shore Borough	PA0028665	West Branch Susquehanna River	100,000	Lycoming	41° 12' 25"	77° 15' 07"	Jersey Shore Borough	POTW	Consultant is Larson Design Group.	MSW
Clearfield Municipal Authority	PA0026310	West Branch Susquehanna River	10,000	Clearfield	41° 01' 31"	78° 24' 02"	Clearfield Borough	POTW	CMA WWTP (4.5 MGD) This facility has claimed to have historically taken oil & gas wastewater.	PMSW
Moshannon Valley Joint Sewer Authority	PA0037966	Moshannon Creek	30,000	Clearfield	40° 54' 27"	78° 13' 27"	Rush Township	POTW	MVJSA WWTP (1.5MGD) This facility has claimed to have historically taken oil & gas wastewater.	PMSW
Lock Haven City Authority	PA0025933	Bald Eagle Creek	25,000	Clinton	41° 07' 44"	77° 25' 50"	Castanea Township	POTW	LHCA WWTP (3.75 MGD)	PMSW
Valley Joint Sewer Authority *	PA0043681	Susquehanna River	25,000	Bradford	41° 57' 59"	76° 30' 59"	Athens Borough	POTW	VJSA WWTP (2.0 MGD)	PMSW
Pine Creek Municipal Authority	PA0027553	West Branch Susquehanna River	50,000	Clinton	41° 10' 15"	77° 18' 56"	Pine Creek Township	POTW	PCMA WWTP (1.3 MGD) This facility has claimed to have historically taken oil & gas wastewater.	PMSW
Dannic Energy Corp.	PA0233781	West Branch Susquehanna River	250,000	Clinton	41° 18' 38"	77° 38' 05"	Chapman Township	Recycle, Direct Discharge	Hyner Drilling Fluid Recycling Facility Consultant is Nittany Engineering.	PMSW
Dannic Energy Corp. *	PA0233773	Tioga River	250,000	Tioga	41° 43' .98"	77° 4' 52.6"	Covington Township	Direct Discharge	Tioga Drilling Fluid Recycling Facility. Consultant is Nittany Engineering.	PMSW
Dannic Energy Corp.	PA0233765	Pine Run	250,000	Lycoming	41° 12' 52"	77° 11' 03"	Woodward Township	Recycle, Direct Discharge	Pine Run Drilling Fluid Recycling Facility. Consultant is Nittany Engineering. Pine Run discharges to W. Branch Susquehanna.	PMSW
TerrAqua Resource Management	PA0233650	West Branch Susquehanna River	400,000	Lycoming	41° 14' 43"	76° 59' 09"	City of Williamsport	Direct Discharge	Water Tower Square Gas Well Wastewater Processing Facility. Consultant is Larson Design Group.	PMSW

Central PA Wastewater, Inc.	PA0233706	UNT to West Branch Susquehanna River	400,000	Clinton	41° 10' 24"	77° 19' 12"	Pine Creek Township	Direct Discharge	Central PA Wastewater Inc. Gas Well Wastewater Processing Facility. Consultant is Larson Design Group. Discharge is proposed to intermittent stream less than 0.5 miles from the river.	PMSW
Dannic Energy Corp.	PA0233790	Hawk Run	250,000	Clearfield	40° 55' 19.23"	78° 11' 34.83"	Morris Township	Recycle, Direct Discharge	Hawk Run Drilling Fluid Recycling Facility Consultant is Nittany Engineering. Hawk Run discharges to Moshannon Creek, which discharges to W. Branch Susquehanna.	PMSW
Somerset Regional Water Resources	PA0233820	Chemung River	1,000,000	Bradford	41° 37' 39.4"	75° 56' 36.4"	Athens Township	Recycle, Direct Discharge	Chemung River empties into North Branch Susquehanna River. Consultant: MWH Americas, Inc.	PMSW
Homer Enterprises	PA0233854	West Branch Susquehanna River	50,000	Clearfield	40° 44' 31.01"	78° 47' 41.66"	Burnside Township	Recycle, Direct Discharge	To be located at the Harmony Gas, Oil and Timber Company, Cherry Tree, PA	PMSW

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Greater Hazleton Joint Sewer Authority	PA0026921	Black Creek	35,000	Luzerne	40° 58' 04"	76° 01' 26"	West Hazleton Borough	POTW	Application for NPDES Amendment rec'd 4/27/09. Admin. Incomplete.	PMSW
North Branch Processing, LLC	Applic. No. PA0065269	Susquehanna River	800,000	Wyoming	41° 31' 31"	75° 56' 19"	Eaton Township	CWT	NPDES IW Application rec'd 12/12/08. Accepted Admin. Complete 1/20/09.	PMSW
Wyoming Valley Sanitary Authority	PA0026107	Susquehanna River (estimated Lat/long)	150,000	Luzerne	41° 14' 07"	75° 56' 45"	Hanover Township	POTW	Application for NPDES Amendment rec'd 3/20/09. Accepted Admin. Complete.	PMSW
Brine Treatment Services, Inc.		Susquehanna River	200,000	Wyoming	41° 32' 25"	75° 57' 51"	Tunkannock area	CWT	Info taken from Hart Technologies 10/1/2008 letter. NPDES IW Application not rec'd yet.	PMSW
Wyoming-Somerset Regional Water Resources LLC	Applic. No. PA0065293	Meshoppen Creek at the SR 29 Bridge	500,000	Wyoming	41°37'39.4"	75°56'36.4"	Lemon Township	CWT	NPDES IW Applic. rec'd 4/16/09. Acc'd Admin. Complete 4/17/09. Flow schematic indicates chemical treatment followed by reverse osmosis to treat frac and brine wastewaters.	PMSW