

Subject: : Conservation

Topic: : Neshaminy Creek Drilling Wastewater!

Re: Neshaminy Creek Drilling Wastewater!

Author: : afishinado

Date: : 2011/10/13 10:46:55

URL:

Found this link to MS site that lists the treatment plants and the waterways effected:

http://www.marcellus-shale.us/drilling_wastewater.htm

Here's where it goes and how much is dumped. Looks like Western and NC PA gets the bulk and SEPA is now spared.... 😊

Attach file:

 **Wastewater_1.jpg** (84.59 KB)

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

| NAME | Permit Number | Receiving Stream | Flow (GPD) | County | Latitude | Longitude | Municipality | TYPE | Status / NOTES | Facility Designation |
|--|---------------|-------------------------|------------|------------|------------|------------|---------------------|----------------|---|----------------------|
| Shallenbeger Construction | PA0253569 | 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 |
| Shallenbeger Construction | PA0253723 | Monongahela River | 0.5 mgd | Fayette | 39.8744 | -79.9177 | German Township | Existing IW | Facility not constructed WQM | PMSW, PO&G |
| PA Brine Josephine (Franklin Brine) | PA0095273 | Blacklick Creek | 0.155 mgd | Indiana | 40.4797 | 79.1703 | Burrel Township | Existing IW | Part II pending--RONCO CWT Oil and Gas wastewaters. Currently under detailed compliance review. | PMSW, PO&G |
| 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 | 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 |
| Liquids 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 |
| Shallenbeger Construction | PA0253863 | Youghogheny River | 1.0 mgd | FAYETTE | 40.0453 | -79.6086 | Upper Tyrone Twp | IW Application | Oil and Gas wastewaters-CWT Proposed Facility | PMSW, PO&G |
| | PA0253987 | | 1M AVE / | SOMERSET | 40 00 27.6 | 79 04 17.4 | Somerset Twp | IW | | |
| Somerset Regional Water Resources, LLC | | East Branch Cores Creek | 1.3 MMAX | | | | | Application | RO and evaporators are proposed to treat oil and gas and mine drainage. | PMSW, PO&G |
| Claiton Municipal Authority | PA0026824 | Peters Creek | 6M | Allegheny | 40 18 13 | 79 52 57 | Claiton | 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 |

 **Wastewater_2.jpg** (75.65 KB)

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|---|----------------------------|--------------------------|-----------------------|------------|----------|----------|---------------------|------|---|----------|
| 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 | South 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 | South 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 Charleoi | PA0026891 | Monongahela River | 3M | Washington | 40 08 51 | 79 54 10 | Charleoi 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 | Harmer 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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|------|---------------|------------------|------------|--------|----------|-----------|--------------|------|----------------|----------------------|

 **Wastewater_3.jpg** (96.07 KB)

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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. 6186001 for coverage under GP PAG310001 | Allegheny River | 2000 | Venango | 41° 27' 22.4" | 79° 36' 39.3" | Complinter 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. 1099001 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. 6183002 for coverage under GP PAG310001 | Pithole Creek | 1000 | Venango | 41° 29' 8" | 79° 30' 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 | Clanton 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 |

 **Wastewater_4.jpg** (88.71 KB)

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|--|---------------|------------------|------------|-----------|----------------|----------------|--------------------|----------------------|--|----------------------|
| 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 - DV V | PA0101656 | Slump Creek | 10000 | Jefferson | 40° 59' 14.8" | 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 | PA0263496 | 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. Perm being held until further notice. | O&G |
| PA Brine Treatment - Rouseville Facility | PA0263516 | Oil Creek | 80000 | Venango | 41° 27' 37" | 79° 41' 23" | Compliarer 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 | (PA0207057) | 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 |

Wastewater_5.jpg (88.61 KB)

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|--|-------------|-------------------------------|---------|------------|-------------|--------------|----------------------|------------------------------|--|------|
| 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" | Althens Borough | POTW | VJSA WWTP (2.0 MGD) | PMSW |
| Pine Creek Municipal Authority | PA0027553 | West Branch Susquehanna River | 50,000 | Clinton | 41° 10' 10" | 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 | Hymer 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 |
| TenAqua Resource Management | PA0233550 | 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 |

Wastewater_6.jpg (85.41 KB)

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|-----------------------------------|-----------|--------------------------------------|-----------|------------|----------------|----------------|---------------------|---------------------------|---|------|
| 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" | Althens 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 12/1/2008. Accepted Admin. Complete 1/20/09. | PMSW |
| Wyoming Valley Sanitary Authority | PA0026107 | Susquehanna River (estimated Laifong) | 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 |