

Application Type Renewal  
 Facility Type \_\_\_\_\_  
 Major / Minor Minor

**NPDES PERMIT FACT SHEET  
ADDENDUM**

Application No. PAI130054  
 APS ID 952330  
 Authorization ID 1201920


**Applicant and Facility Information**

Applicant Name	<u>West Grove Borough Chester County</u>	Facility Name	<u>West Grove Borough MS4 UA</u>
Applicant Address	<u>PO Box 61 117 Rosehill Avenue</u> <u>West Grove, PA 19390</u>	Facility Address	<u>117 Rosehill Avenue PO Box 61</u> <u>West Grove, PA 19390</u>
Applicant Contact	<u>Greg Mccummings</u>	Facility Contact	<u>Farley Fry</u>
Applicant Phone	<u>(610) 869-2792</u>	Facility Phone	<u>(717) 721-7444</u>
Client ID	<u>40603</u>	Site ID	<u>617748</u>
SIC Code	<u>9199</u>	Municipality	<u>West Grove Borough</u>
SIC Description	<u>Electric, Gas And Sanitary Services</u>	County	<u>Chester</u>
Date Published in PA Bulletin	_____	EPA Waived?	<u>Yes</u>
Comment Period End Date	_____	If No, Reason	_____

Purpose of Application Application for a renewal of an NPDES permit for discharge of treated

**Internal Review and Recommendations**



Approve	Return	Deny	Signatures	Date
X			 Ian Quinlan / Environmental Engineering Specialist	June 06, 2022
X			<i>Elizabeth Mahoney</i> Elizabeth Mahoney / Environmental Group Manager	06/06/2022
			Thomas L. Magge / Program Manager	

Internal Review and Recommendations

The MS4 Requirements Table shows the West Grove's MS4 requirements:

MS4 Urban Area Report WEST GROVE BORO, Chester County		
<b>INDIVIDUAL PERMIT REQUIRED:</b> Yes	<b>REASON:</b> TMDL Plan	<b>NPDES ID:</b> PAG130144
<b>IMPAIRED DOWNSTREAM WATERS</b>	<b>REQUIREMENTS</b>	<b>OTHER CAUSES OF IMPAIRMENT</b>
Christina River Basin Nutrients	TMDL Plan-Nutrients Organic Enrichment/Low D.O. (4a)	
East Branch White Clay Creek	Appendix B-Pathogens (5)	
Christina River Basin Sediment	TMDL Plan-Siltation Suspended Solids (4a)	
Unnamed Tributaries to East Branch White Clay Creek		Other Habitat Alterations (4c)
Middle Branch White Clay Creek	Appendix B-Pathogens (5)	

The MS4 must comply with Appendix B of the permit during the permit term of five years.  
The Christina River Basin TMDL includes this MS4 in White Clay Creek Watershed, for which the township submitted a TMDL Plan to comply with the reductions.

EPA's Christina River Basin TMDL Report

White Clay Creek Watershed	Sediment (tons/year)				Total Nitrogen (kg/day)				Total Phosphorus (kg/day)			
	Baseline MS4 Load <sup>1d</sup>	MS4 Load Allocation <sup>1d</sup>	MS4 Load Reduction <sup>1e</sup>	% Reduction <sup>1d</sup>	Baseline MS4 Load <sup>2i</sup>	MS4 Allocation <sup>2c</sup>	MS4 Load Reduction <sup>2m</sup>	% Reduction <sup>2m</sup>	Baseline MS4 Load <sup>2i</sup>	MS4 Allocation <sup>2f</sup>	MS4 Load Reduction <sup>2m</sup>	% Reduction <sup>2m</sup>
AVONDALE BORO	463.65	140.02	323.63	69.80%	9.16	4.58	4.58	50.00%	0.322	0.135	0.187	58.07%
FRANKLIN TWP	4220.43	2,305.87	1914.56	45.36%	122.01	61.01	61	50.00%	15.219	5.557	9.662	63.49%
KENNETT TWP					2.17	2.17	0.00	0.00%	0.055	0.055	0	0.00%
LONDON BRITAIN TWP	2634.66	1,620.44	1014.22	38.50%	96.47	49.9	46.57	48.27%	15.732	7.333	8.399	53.39%
LONDON GROVE TWP	13616.33	4,842.81	8773.52	64.43%	262.76	128.47	134.29	51.11%	25.875	7.965	17.91	69.22%
NEW GARDEN TWP	6746.50	2,986.66	3759.84	55.73%	167.06	83.83	83.23	49.82%	41.916	13.374	28.542	68.09%
NEW LONDON TWP	1913.97	1,008.60	905.37	47.30%	53.56	26.61	26.95	50.32%	0.65	0.292	0.358	55.08%
PENN TWP	2584.76	1,440.98	2143.77	60.66%	74.23	33.26	37.87	63.17%	0.708	0.260	0.448	56.04%
WEST GROVE BORO	562.29	192.63	369.66	65.74%	9.24	4.36	4.88	52.81%	0.112	0.05	0.062	55.36%

1995:

Sewershed	1995		
	Sediment (lbs.)	Nitrogen (lbs.)	Phosphorus (lbs.)
<b>Total</b>	<b>248,837.86</b>	<b>787.74</b>	<b>131.86</b>

2012:

Internal Review and Recommendations

Sewershed	2012		
	Sediment (lbs.)	Nitrogen (lbs.)	Phosphorus (lbs.)
<b>Total</b>	<b>254,453.86</b>	<b>874.60</b>	<b>140.85</b>

Table 2. Sewershed Pollutant Load Results for West Grove Borough

Sewershed	1995			2012				
	Area (acre)	Sediment (lbs.)	Nitrogen (lbs.)	Phosphorus (lbs.)	Area (acre)	Sediment (lbs.)	Nitrogen (lbs.)	Phosphorus (lbs.)
WGROVE 01	17.55	14,164.77	47.22	6.76	17.55	16,553.33	55.17	7.84
WGROVE 02	93.29	61,001.49	182.49	26.53	93.29	69,924.35	221.18	34.26
WGROVE 03	3.45	1,720.44	4.46	0.69	3.45	1,936.93	5.00	0.77
WGROVE 04	6.27	2,830.95	8.40	1.19	6.27	6,978.94	30.86	4.05
WGROVE 05	17.41	6,975.20	19.44	2.89	17.41	13,537.59	54.20	7.52
WGROVE 06	3.69	2,135.92	5.64	0.87	3.69	4,481.20	22.10	2.85
WGROVE 07	2.32	1,430.46	3.81	0.58	2.32	1,393.90	3.64	0.56
WGROVE 08	0.74	456.27	1.21	0.19	0.74	1,411.49	5.60	0.75
OBSRV 01	37.02	41,553.70	154.80	34.26	37.02	25,688.88	101.69	20.46
OBSRV 05	51.77	25,811.86	72.41	11.18	51.77	1,984.04	4.31	0.74
OBSRV 06	3.45	1,720.43	4.46	0.69	3.45	1,935.27	5.00	0.77
OBSRV 07	2.32	1,430.45	3.81	0.58	2.32	1,393.90	3.64	0.56
OBSRV 08	3.69	2,135.92	5.64	0.87	3.69	4,481.20	22.10	2.85
OBSRV 09	17.41	6,975.20	19.44	2.89	17.41	13,537.59	54.20	7.52
OBSRV 10	22.37	14,174.25	38.59	6.18	22.37	13,287.48	34.62	5.32
OBSRV 11	5.51	3,396.57	9.04	1.38	5.51	3,309.79	8.65	1.32
OBSRV 12	17.06	8,348.73	25.12	3.54	17.07	12,649.26	40.61	8.96
OBSRV 13	41.15	31,852.08	112.60	15.46	41.15	38,367.84	129.27	18.71
OBSRV 14	10.55	7,760.06	24.05	4.71	10.56	7,275.84	21.61	3.81
OBSRV 15	12.07	12,195.20	43.06	10.13	12.07	12,688.56	44.96	10.39
OBSRV 16	0.51	311.62	0.83	0.13	0.51	224.99	0.59	0.09
OBSRV 17	0.74	456.27	1.21	0.19	0.74	1,411.49	5.60	0.75
<b>Total</b>	<b>370.34</b>	<b>248,837.86</b>	<b>787.74</b>	<b>131.86</b>	<b>370.36</b>	<b>254,453.86</b>	<b>874.60</b>	<b>140.85</b>

West Grove is pursuing the Long-Term objection to meet the TMDL requirements in the 5 year permit term. The following are the proposed BMP's planned to be implemented.

Internal Review and Recommendations

	Required Reductions Prior to BMP Installation (lbs.)	Provided Post-Construction Reduction (lbs.)
Required Sediment Load Reduction (lbs.)	169,202.01	172,500.00
Required Phosphorus Load Reduction (lbs.)	81.99	261.00
Required Nitrogen Load Reduction (lbs.)	502.87	288.00*

\*The TMDL WLAs require the sediment and phosphorus reductions to be met for compliance with the permit. Refer to document 3800-PM-BCW0200d.

Area of Interest 2

Name	BMP Type	Year Installed	MapShed Land Cover of Drainage Area	Drainage Area (ac)	Treatment Depth (in)	Stream Restoration* Length (ft) - Qualified projects only	Street Sweeping* Road Length Swept (ft) - Qualified projects only	Impervious Area (ac)	Treatment Depth (in/imp. ac)
BMP-1 Welcome Ave/Myrtle Ave	Stream Restoration					750		#N/A	#N/A
Fuller Meadows (Habitat) Restoration	Stream Restoration					750		#N/A	#N/A
<b>Total</b>									#N/A

Treatment Depth (in/imp. ac)	Effective Treatment Depth (in/imp. ac)	Impervious (%)	TSS Load (lbs/yr)	TP Load (lbs/yr)	TN Load (lbs/yr)	TSS Reduction (%)	TP Reduction (%)	TN Reduction (%)	TSS Reduction (lbs/yr)	TSS Reduction (tons/yr)	TP Reduction (lbs/yr)	TN Reduction (lbs/yr)
Manual Override - use if no impervious area	#N/A	#N/A	#N/A	#N/A	#N/A	0.0%	0.0%	0.0%	86,250.00	43.13	130.50	144.00
	#N/A	#N/A	#N/A	#N/A	#N/A	0.0%	0.0%	0.0%	86,250.00	43.13	130.50	144.00
	#N/A	0.0%	#N/A	#N/A	#N/A	100.0%	100.0%	100.0%	#N/A	#N/A	#N/A	#N/A
									<b>172,500.00</b>	<b>86.25</b>	<b>261.00</b>	<b>288.00</b>

Funding:

**Streambank Restoration - Located between Welcome Avenue and Myrtle Avenue** – Funding from Borough Funds, possible partnership with White Clay Creek Watershed Association and grant funding through local, state and federal programs such as DCED and DCNR Watershed Grants.

**Streambank Restoration – Fuller Meadows (Habitat for Humanity Site) at the corner of Guernsey Avenue and Willow Street** – Funding from Borough Funds, possible partnership with White Clay Creek Watershed Association and grant funding through local, state and federal programs such as DCED and DCNR Watershed Grants.

Operation and Maintenance:

**Internal Review and Recommendations**

The Operation and Maintenance responsibilities are outlined in the specific project descriptions in Appendix G. The Borough Public Works Department will be responsible for maintenance of the Streambank projects and riparian buffers unless an agreement with other parties is developed as the projects designs are completed. The design plans for each project will include the detailed operation and maintenance requirements for each site.

**Public Participation:**

The TMDL/ PRP public notice was published in local newspaper on April 8, 2022. The plan was made available for public review in the township building and in its website from April 11 to May 10. A comment period was provided from April 11 to May 10. A public meeting was held on May 4, which included this TMDL Plan in the agenda. The township received no comment from the public on TMDL Plan.

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.