

Application Type Renewal
 Facility Type Non-Municipal
 Major / Minor Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Application No. PA0206016
 APS ID 986651
 Authorization ID 1262013

Applicant and Facility Information

Applicant Name	<u>413 Investments LLC</u>	Facility Name	<u>Clearview MHP</u>
Applicant Address	<u>195 Old Plank Road</u> <u>Washington, PA 15301</u>	Facility Address	<u>25 Old Plank Road</u> <u>Washington, PA 15301-9037</u>
Applicant Contact	<u>Marc Coleman</u>	Facility Contact	<u>Marc Coleman</u>
Applicant Phone	<u>(724) 678-2499</u>	Facility Phone	<u>(724) 678-2499</u>
Client ID	<u>347860</u>	Site ID	<u>238071</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>South Franklin Township</u>
Connection Status		County	<u>Washington</u>
Date Application Received	<u>February 8, 2019</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>February 19, 2019</u>	If No, Reason	
Purpose of Application	<u>Renewal and transfer of NPDES Sewage Permit PA 0206016</u>		

Summary of Review

This application is for a renewal and transfer of NPDES Permit PA0206016, which was previously issued on May 28, 2013. The plant has a discharge of 0.0035 MGD to an UNT to Chartiers Creek, which is classified as warm-water fishery. The existing treatment process consists of flow equalization, extended aeration, final clarification, chlorination and dichlorination. The facility was designed to treat sewage for 20 mobile homes.

The permit will be transferred from Dan Gardner to 413 Investments LLC.

The annual monitoring and reporting of Total Nitrogen and Total Phosphorous are re- imposed according to Chapter 92a.61. For pH, Dissolved Oxygen (DO), and TRC a monitoring frequency of "1/day" has been imposed. The effluent limits for pH, CBOD₅, TSS, NH₃ – N, and Fecal Coliform are kept the same from the previous permit. An effluent limit of instantaneous minimum of 5.0 mg/l has been imposed based on the Chapter 93 DO criteria for warm water fishery. The limits of TRC has been kept the same as the existing average monthly limit is below 0.1 mg/l, in which case a new TRC_CALC modeling is not required.

The eDMR reports reviewed for approximately couple of years shows no effluent limits violations. The facility is registered for eDMR reporting.

The facility was inspected on May 8, 2013, an NOV was issued because of various effluent limit violations. A CACP was entered on December 2, 2014. A compliance check report has been requested on June 24, 2019.

Approve	Deny	Signatures	Date
X		/s/ Harris Mahmud / Permit Reviewer	6/25/2019
X		/s/ Donald J. Leone, P.E. / Environmental Engineer Manager	6/26/19

Summary of Review

Public Participation

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.



Previous Pollution
Report PA 0206016

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0035</u>
Latitude	<u>40° 7' 50.84"</u>	Longitude	<u>-80° 17' 9.13"</u>
Quad Name	<u>Washington West, PA</u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			

Receiving Waters	<u>Chartiers Creek (WWF)</u>	Stream Code	<u>UNT to 36777</u>
NHD Com ID	<u>99694812</u>	RMI	<u>0.057</u>
Drainage Area	<u>0.13 sq.mi.</u>	Yield (cfs/mi ²)	<u>0.000001</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.000001</u>	Q ₇₋₁₀ Basis	<u></u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>20-F</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>

Assessment Status	<u>Impaired</u>
Cause(s) of Impairment	<u>NUTRIENTS, PATHOGENS, SILTATION</u>
Source(s) of Impairment	<u>AGRICULTURE, SOURCE UNKNOWN, URBAN RUNOFF/STORM SEWERS, URBAN RUNOFF/STORM SEWERS</u>

TMDL Status	<u>Final</u>	Name	<u>Chartiers Creek, Chartiers Creek Watershed</u>
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Background/Ambient Data	Data Source
pH (SU)	<u></u>
Temperature (°F)	<u></u>
Hardness (mg/L)	<u></u>
Other:	<u></u>

Nearest Downstream Public Water Supply Intake	<u>West View Municipal Authority located on Ohio River</u>
PWS Waters	<u></u>
PWS RMI	<u></u>
	Flow at Intake (cfs) <u></u>
	Distance from Outfall (mi) <u></u>

Changes Since Last Permit Issuance:

Other Comments:

Treatment Facility Summary				
Treatment Facility Name: Clearview MHP STP				
WQM Permit No.		Issuance Date		
6393404		11/29/1993		
6393404 A-1		7/21/2003		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Tertiary	Extended Aeration	Chlorination	0.0035
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.0035	N/A	Not Overloaded	N/A	N/A

Changes Since Last Permit Issuance: None

Other Comments: None

Compliance History	
Summary of DMRs:	The eDMR reports reviewed for approximately couple of years shows no effluent limits violations. The facility is registered for eDMR reporting.
Summary of Inspections:	The facility was inspected on May 8, 2013, an NOV was issued because of various effluent limit violations. A CACP was entered on December 2, 2014. However, it has no current compliance issues.

Other Comments: None

Compliance History

DMR Data for Outfall 001 (from May 1, 2018 to April 30, 2019)

Parameter	APR-19	MAR-19	FEB-19	JAN-19	DEC-18	NOV-18	OCT-18	SEP-18	AUG-18	JUL-18	JUN-18	MAY-18
Flow (MGD) Average Monthly	0.00008	0.00005	0.00012	0.00027	0.00006	0.00005	0.00008	0.00020	0.00004	0.00006	0.00005	0.00004
pH (S.U.) Minimum	6.0	6.2	6.7	6.5	6.5	6.8	6.8	6.8	6.8	6.5	6.5	6.5
pH (S.U.) Maximum	6.9	6.9	7.0	7.1	6.9	7.2	7.0	7.1	7.1	6.9	7.0	7.1
DO (mg/L) Minimum	5.6	5.2	6.0	6.9	5.4	6.0	6.0	6.0	6.0	6.0	6.2	5.5
TRC (mg/L) Average Monthly	< 0.02	< 0.02	< 0.02	0.02	< 0.02	0.02	0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.02
TRC (mg/L) Instantaneous Maximum	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.14	0.02	0.02	0.02	0.02
CBOD5 (mg/L) Average Monthly	12.3	3.8	2.0	3.2	2.7	3.1	3.4	2.0	2.6	2.3	4.5	2.6
CBOD5 (mg/L) Instantaneous Maximum	22.5	4.1	2.0	4.4	3.4	3.9	4.7	2.0	3.1	2.6	6.9	3.2
TSS (mg/L) Average Monthly	5.0	5.0	5.0	5.0	8.0	5.5	5.0	5.0	5.0	5.0	5.0	6.5
TSS (mg/L) Instantaneous Maximum	5.0	5.0	5.0	5.0	11.0	6.0	5.0	5.0	5.0	5.0	5.0	8.0
Fecal Coliform (CFU/100 ml) Geometric Mean	1	1	2	1	1	1	1	1	1	1	1	1
Fecal Coliform (CFU/100 ml) Instantaneous Maximum	1	1	4	1	2	1	1	1	1	1	1	1
Total Nitrogen (mg/L) Daily Maximum					8.13							
Ammonia (mg/L) Average Monthly	0.5	0.8	1.7	1.7	1.7	1.4	1.2	0.8	0.5	0.5	0.9	0.4
Ammonia (mg/L) Instantaneous Maximum	0.6	1.2	2.1	2.2	2.2	1.8	1.5	1.2	0.5	0.5	0.9	0.4

Total Phosphorus (mg/L) Daily Maximum					4.9							
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Development of Effluent Limitations

Outfall No. <u>001</u>	Design Flow (MGD) <u>0.0035</u>
Latitude <u>40° 7' 53"</u>	Longitude <u>-80° 17' 10"</u>
Wastewater Description: <u>Sewage Effluent</u>	

Technology-Based Limitations

The annual monitoring and reporting of Total Nitrogen and Total Phosphorous are re-imposed according to Chapter 92a.61. For pH, Dissolved Oxygen (DO), and TRC a monitoring frequency of "1/day" has been imposed. The effluent limits for pH, CBOD₅, TSS, NH₃ – N, and Fecal Coliform are kept the same from the previous permit. An effluent limit of instantaneous minimum of 5.0 mg/l has been imposed based on the Chapter 93 DO criteria for warm water fishery.

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Pollutant	Limit (mg/l)	SBC	Federal Regulation	State Regulation
CBOD ₅	25	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
Total Suspended Solids	30	Average Monthly	133.102(b)(1)	92a.47(a)(1)
pH	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
DO	5.0	Instant. Minimum		Chapter 93.7
Fecal Coliform (5/1 – 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
Fecal Coliform (5/1 – 9/30)	1,000 / 100 ml	IMAX	-	92a.47(a)(4)
Fecal Coliform (10/1 – 4/30)	2,000 / 100 ml	Geo Mean	-	92a.47(a)(5)
Fecal Coliform (10/1 – 4/30)	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Total Nitrogen	Report	Average Monthly	-	92a.61
Total Phosphorous	Report	Average Monthly		92a.61

Comments: None

Water Quality-Based Limitations

Parameter	Limit (mg/l)	SBC	Model
Ammonia-Nitrogen (May 1 – Oct 31)	1.9	Average Monthly	WQM 63.0
	3.8	IMAX	Previous Modeling/ Pollution Report
Ammonia-Nitrogen (Nov 1 – Apr 30)	2.8	Average Monthly	WQM 63.0
	5.6	IMAX	Previous Modeling/ Pollution Report
TRC	0.08	Average Monthly	TRC _ CALC
	0.18	IMAX	Previous Modeling/ Pollution Report

Comments: None

Monitoring of TN and TP

Nutrient monitoring is required to establish the nutrient load from the waste water treatment facility and the impacts that load may have on the quality of the receiving stream. Sewage discharges with design flows greater than 2,000 gpd require monitoring, at a minimum, for TN and TP in new and reissued permits.

Daily Monitoring

A monitoring frequency of once per year is considered acceptable. For pH, Dissolved Oxygen (DO), and TRC, a monitoring frequency of “1/day” has been imposed. In general, less frequent monitoring may be established only when the permittee demonstrates that there will be no discharge on the days when monitoring is not required. The permittee may remain in compliance with the permit by using a No Discharge on the “Daily Effluent Monitoring” supplemental form to identify the lack of discharge on a particular day.

Anti-Backsliding

None of the effluent limits imposed in this permit is less stringent than the previously imposed limits.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	0.0035	XXX	XXX	XXX	XXX	XXX	2/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
DO	XXX	XXX	4.0 Inst Min	XXX	XXX	XXX	1/day	Grab
TRC	XXX	XXX	XXX	0.08	XXX	0.18	1/day	Grab
CBOD5	XXX	XXX	XXX	25.0	XXX	50.0	2/month	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60.0	2/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	2/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	2.8	XXX	5.6	2/month	Grab
Ammonia May 1 - Oct 31	XXX	XXX	XXX	1.9	XXX	3.8	2/month	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Other Comments: None