

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

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No. PA0092801
APS ID 1125653
Authorization ID 1506402

Applicant and Facility Information

Applicant Name	<u>Allegheny County Community College</u>	Facility Name	<u>CCAC West Hills Center STP</u>
Applicant Address	<u>800 Allegheny Avenue</u> <u>Pittsburgh, PA 15233-1804</u>	Facility Address	<u>1000 Mckee Road</u> <u>Oakdale, PA 15071-1099</u>
Applicant Contact	<u>Noel Knille</u>	Facility Contact	<u></u>
Applicant Phone	<u>(202) 590-0137</u>	Facility Phone	<u></u>
Client ID	<u>165806</u>	Site ID	<u>253262</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>North Fayette Township</u>
Connection Status	<u></u>	County	<u>Allegheny</u>
Date Application Received	<u>November 6, 2024</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>November 6, 2024</u>	If No, Reason	<u></u>
Purpose of Application	<u>Renewal application to discharge treated sewage</u>		

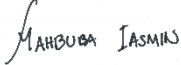
Summary of Review

This review is in response to a renewal application received on November 6, 2024. The Community College of Allegheny County owns and operates a sewage treatment plant for its West Hills Center located in North Fayette Township, Allegheny County. Sewage from the West Hills Center is treated with comminution, equalization, extended aeration, settling and chlorination before discharging into an unnamed tributary of Robinson Run through outfall 001.

Sludge use and disposal description and location(s): Hapchuk Sanitation in Washington, PA, is listed as the pump and haul contractor for this facility.

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.

Approve	Deny	Signatures	Date
X		James Vanek James Vanek, P.E. / Environmental Engineer	September 9, 2025
X		 Mahbuba Iasmin, Ph.D., P.E. / Environmental Engineering Manager	October 10, 2025

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.015
Latitude	40° 26' 21.27"	Longitude	-80° 11' 35.78"
Quad Name	Oakdale	Quad Code	
Wastewater Description:		Sewage Effluent	
Receiving Waters	Unnamed Tributary of Robinson Run (WWF)	Stream Code	63295
NHD Com ID	99688200	RMI	1.67
Drainage Area	0	Yield (cfs/mi ²)	0
Q ₇₋₁₀ Flow (cfs)	0	Q ₇₋₁₀ Basis	Previous fact sheet
Elevation (ft)		Slope (ft/ft)	
Watershed No.	20-F	Chapter 93 Class.	WWF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	METALS		
Source(s) of Impairment	ACID MINE DRAINAGE		
TMDL Status	Final, Tentative	Name	Chartiers Creek,N. Br. Robinson Run
Background/Ambient Data		Data Source	
pH (SU)			
Temperature (°F)			
Hardness (mg/L)			
Other:			
Nearest Downstream Public Water Supply Intake			
PWS Waters		Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Changes Since Last Permit Issuance:

Other Comments:

Treatment Facility Summary				
Treatment Facility Name: Ccac W Hills Center STP				
WQM Permit No.		Issuance Date		
02817461		01/14/1982		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary with NH ₃ N reduction	Extended Aeration	Hypochlorite	0.0035
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.015		Not Overloaded	Aerated holding tank	Other STP

Compliance History

DMR Data for Outfall 001 (from August 1, 2024 to July 31, 2025)

Parameter	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24
Flow (MGD) Average Monthly	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
pH (S.U.) Instantaneous Minimum	6.7	6.8	6.7	6.8	6.7	6.7	6.7	6.6	6.8	6.7	6.6	6.7
pH (S.U.) Instantaneous Maximum	7.7	7.9	7.4	7.5	7.4	7.5	7.8	7.7	7.6	7.3	7.4	7.7
DO (mg/L) Instantaneous Minimum	6.1	6.2	5.9	7.7	8.7	10.5	9.6	8.4	8.0	6.9	7.4	5.9
TRC (mg/L) Average Monthly	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.02	0.1	0.1	0.1	0.1
TRC (mg/L) Instantaneous Maximum	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.04	0.1	0.1	0.1	0.1
CBOD5 (mg/L) Average Monthly	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 4	< 3	< 3	< 3	< 3
CBOD5 (mg/L) Instantaneous Maximum	< 3	< 3	< 3	< 3	< 3	< 3	< 3	5	4	< 3	< 3	< 3
TSS (mg/L) Average Monthly	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 5	< 5	< 5	13
TSS (mg/L) Instantaneous Maximum	< 5	< 5	< 5	< 5	7	5	6	< 5	< 5	6	< 5	16
Fecal Coliform (No./100 ml) Geometric Mean	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Fecal Coliform (No./100 ml) Instantaneous Maximum	1	< 1	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Total Nitrogen (mg/L) Daily Maximum								< 110.27				

NPDES Permit Fact Sheet
Ccac W Hills Center STP

NPDES Permit No. PA0092801

Ammonia (mg/L) Average Monthly	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.9	< 0.4	< 0.3	< 0.3	< 0.3	1.0
Ammonia (mg/L) Instantaneous Maximum	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	1.5	0.5	< 0.3	< 0.3	< 0.3	1.6
Total Phosphorus (mg/L) Daily Maximum								11.80				

Development of Effluent Limitations

Outfall No. 001
Latitude 40° 26' 10.00"
Wastewater Description: Sewage Effluent

Design Flow (MGD) .015
Longitude -80° 11' 45.00"

Technology-Based Limitations

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)
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 Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)

Water Quality-Based Limitations

Water quality analysis was not performed. The limits are based on the Department's dry stream discharge guidance from the 1980's.

Dissolved Oxygen

DO limits are based on the dry stream discharge policy from the 1980's.

TN, TP, and E. Coli Monitoring

In accordance with Section I of DEP's "Standard Operating Procedure for Clean Water Program Establishing Effluent Limitations for Individual Sewage Permits" [SOP No. BCW-PMT-033, Version 1.9, March 22, 2021] and under the authority of 25 Pa. Code § 92a.61(b), annual reporting for Total Nitrogen and Total Phosphorus is required for sewage discharges with design flows greater than 2,000 gpd to help evaluate treatment effectiveness and to monitor nutrient loading to the receiving watershed. Pursuant to that same SOP and under the authority of § 92a.61(b), annual reporting for *E. coli* will be added to Outfall 001. *E. coli* was recently added to the bacteria water quality criteria in 25 Pa. Code § 93.7(a) and the monitoring will be used to determine if *E. coli* concentrations require additional controls.

Anti-Backsliding

Anti-backsliding was not used for this permit renewal.

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" (386-0400-001), 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)	0.015	XXX	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	5/week	Grab
DO	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	5/week	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.6	5/week	Grab
CBOD5	XXX	XXX	XXX	10	XXX	20	2/month	Grab
TSS	XXX	XXX	XXX	25	XXX	50	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
E. Coli	XXX	XXX	XXX	XXX	Report Instant. Max	XXX	1/year	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab
Ammonia-Nitrogen Nov 1 - Apr 30	XXX	XXX	XXX	9.0	XXX	18.0	2/month	Grab
Ammonia-Nitrogen May 1 - Oct 31	XXX	XXX	XXX	3.0	XXX	6.0	2/month	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab

Compliance Sampling Location: at outfall 001