

Application Type Renewal
Facility Type Industrial
Major / Minor Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL INDUSTRIAL WASTE (IW)
AND IW STORMWATER**

Application No. PA0012327
APS ID 1127464
Authorization ID 1509578

Applicant and Facility Information

Applicant Name	<u>Bucks County Public Works Department</u>	Facility Name	<u>Hidden Valley Landfill</u>
Applicant Address	<u>1265 Almshouse Road</u> <u>Doylestown, PA 18901-2835</u>	Facility Address	<u>Route 611 Easton Road</u> <u>Ferndale, PA 18921</u>
Applicant Contact	<u>Warren Mcquaid</u>	Facility Contact	<u>Warren Mcquaid</u>
Applicant Phone	<u>(215) 345-3950</u>	Facility Phone	<u>(215) 345-3950</u>
Client ID	<u>149025</u>	Site ID	<u>458579</u>
SIC Code	<u>4953</u>	Municipality	<u>Nockamixon Township</u>
SIC Description	<u>Trans. & Utilities - Refuse Systems</u>	County	<u>Bucks</u>
Date Application Received	<u>December 11, 2024</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>Permit Renewal</u>		

Summary of Review

The permittee has submitted a renewal application for their NPDES permit of stormwater discharge existing Hidden Valley landfill Outfall 001 into unnamed tributary of Gallows Run.

Outfall 001, 002, and IMP 101 will continue to be monitored under this renewal.

The Hidden Valley Landfill has ceased their operation in late 1960s. In 1971, after discovering that the landfill was generating a leachate, collection system was installed with treatment plant. Treatment plant is no longer in operation. Currently, the existing system consists a collection system of the landfill's leachate to pump station no. 2 and then to the dosing pump station No.1 with the discharge then being pumped to the half- acre drip irrigation field which is divided into 4 zones. The permittee has renewed their WQM (Land Application) permit #0908201 in 2024.

Inspection was conducted on 4/1/2024 and the site seems to be in good condition.

Monitoring requirements remain same as the previous renewal, except the addition of Total Nitrogen and Total Phosphorus in accordance with the updated PAG-03 requirement.
Appendix A of PAG-03 applies to this site.

Act 14 Notifications:

County of Bucks -Department of Public Works has been notified on 11/21/2024
Nockamixon TWP on 11/21/2024.

Approve	Deny	Signatures	Date
X		<i>Charley Yang</i> Charley Yang / Environmental Engineering Specialist	March 19, 2025
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	03/19/2025

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.

Compliance History	
Summary of DMRs:	DMRs were all within acceptable range
Summary of Inspections:	No violations noted. All outfalls were inspected and no impact noted.

Other Comments: 

Compliance History

DMR Data for Outfall 001 (from January 1, 2024 to December 31, 2024)

Parameter	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24	MAR-24	FEB-24	JAN-24
Flow (MGD) Semi-Annual Average	0.00069						0.00009					
Flow (MGD) Daily Maximum	0.00069						0.00009					
pH (S.U.) Instantaneous Minimum	7.84						8.01					
pH (S.U.) Instantaneous Maximum	7.84						8.01					
CBOD5 (mg/L) Semi-Annual Average	< 2.0						< 2.0					
CBOD5 (mg/L) Daily Maximum	< 2.0						< 2.0					
COD (mg/L) Semi-Annual Average	< 10.0						< 10.0					
COD (mg/L) Daily Maximum	< 10.0						< 10.0					
TSS (mg/L) Semi-Annual Average	< 4.0						13.6					
TSS (mg/L) Daily Maximum	< 4.0						13.6					
Ammonia (mg/L) Semi-Annual Average	< 0.1						< 0.10					
Total Antimony (mg/L) Daily Maximum	< 0.0004						< 0.0004					
Hexavalent Chromium (mg/L) Daily Maximum	< 0.0001						0.00020					
Total Iron (mg/L) Daily Maximum	< 0.1						0.180					
Total Thallium (mg/L) Daily Maximum	< 0.0004						< 0.0004					
Phenol (mg/L) Daily Maximum	< 0.05						< 0.05					

DMR Data for Outfall 002 (from January 1, 2024 to December 31, 2024)

NPDES Permit Fact Sheet
Hidden Valley Landfill

NPDES Permit No. PA0012327

Parameter	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24	MAR-24	FEB-24	JAN-24
pH (S.U.)												
Daily Maximum	7.53						7.17					
COD (mg/L)												
Daily Maximum	23.1						11.0					
TSS (mg/L)												
Daily Maximum	44.0						23.5					
Oil and Grease (mg/L)												
Daily Maximum	< 5.3						< 4.8					
Nitrate-Nitrite (mg/L)												
Daily Maximum	17.4						10.1					
Ammonia (mg/L)												
Daily Maximum	< 0.1						< 0.10					
Total Arsenic (mg/L)												
Daily Maximum	< 0.002						< 0.001					
Total Barium (mg/L)												
Daily Maximum	0.083						0.094					
Total Cadmium (mg/L)												
Daily Maximum	< 0.0008						< 0.0004					
Total Cyanide (mg/L)												
Daily Maximum	< 0.005						< 0.005					
Total Iron (mg/L)												
Daily Maximum	0.469						0.657					
Total Lead (mg/L)												
Daily Maximum	< 0.002						0.001					
Dissolved Magnesium (mg/L)												
Daily Maximum	10.3						11.2					
Total Magnesium (mg/L)												
Daily Maximum	10.9						11.6					
Total Mercury (mg/L)												
Daily Maximum	< 0.0002						< 0.0002					
Total Selenium (mg/L)												
Daily Maximum	< 0.004						< 0.002					
Total Silver (mg/L)												
Daily Maximum	< 0.002						< 0.001					
TOC (mg/L)												
Daily Maximum	6.08						5.43					

DMR Data for Outfall 003 (from January 1, 2024, to December 31, 2024): This outfall is covered under WQM permit 0908201(drip System)

Parameter	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24	MAR-24	FEB-24	JAN-24
Flow (MGD)												
Influent Average Monthly	0.00652 169			0.01261 788			0.00879 246			0.01315 166		
pH (S.U.)												
Instantaneous Minimum	8.06			8.19			7.73			7.96		
CBOD5 (mg/L)												
Average Quarterly	< 2.0			6.4			< 2.0			< 2.0		
TSS (mg/L)												
Average Quarterly	< 4.0			7.0			5.0			< 4.0		
Ammonia (mg/L)												
Average Quarterly	< 0.10			< 0.10			< 0.10			2.40		
Total Antimony (mg/L)												
Average Quarterly	< 0.0004			< 0.0004			< 0.0004			< 0.0004		
Hexavalent Chromium (mg/L)												
Average Quarterly	< 0.00010			< 0.10			< 0.0001			< 0.0001		
Total Iron (mg/L)												
Average Quarterly	0.528			0.939			0.262			0.187		
Total Manganese (mg/L)												
Average Quarterly	0.131			0.218			0.182			0.108		
Total Thallium (mg/L)												
Average Quarterly	< 0.0004			< 0.0004			< 0.0004			< 0.0004		
Total Phenolics (mg/L)												
Average Quarterly	< 0.05			< 0.05			< 0.05			< 0.05		

DMR Data for Outfall 101 (from January 1, 2024 to December 31, 2024)

Parameter	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24	MAR-24	FEB-24	JAN-24
pH (S.U.)												
Daily Maximum	7.94						8.07					
COD (mg/L)												
Daily Maximum	19.5						19.1					
TSS (mg/L)												
Daily Maximum	37.5						51.2					
Oil and Grease (mg/L)												
Daily Maximum	< 4.9						< 4.9					
Nitrate-Nitrite (mg/L)												
Daily Maximum	7.41						2.81					

NPDES Permit Fact Sheet
Hidden Valley Landfill

NPDES Permit No. PA0012327

Ammonia (mg/L) Daily Maximum	< 0.1						< 0.10					
Total Arsenic (mg/L) Daily Maximum	< 0.002						0.001					
Total Barium (mg/L) Daily Maximum	0.035						0.087					
Total Cadmium (mg/L) Daily Maximum	< 0.0008						< 0.0004					
Total Cyanide (mg/L) Daily Maximum	< 0.005						< 0.005					
Total Iron (mg/L) Daily Maximum	< 0.200						2.28					
Total Lead (mg/L) Daily Maximum	< 0.002						0.003					
Dissolved Magnesium (mg/L) Daily Maximum	12.6						16.5					
Total Magnesium (mg/L) Daily Maximum	13.0						16.0					
Total Mercury (mg/L) Daily Maximum	< 0.0002						< 0.0002					
Total Selenium (mg/L) Daily Maximum	< 0.004						< 0.002					
Total Silver (mg/L) Daily Maximum	< 0.002						< 0.001					
TOC (mg/L) Daily Maximum	6.68						5.10					

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	Semi-Annual Average	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report SEMI AVG	Report Daily Max	XXX	XXX	XXX	XXX	1/6 months	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/6 months	Grab
CBOD5	XXX	XXX	XXX	25.0	50.0	63	1/6 months	Grab
COD	XXX	XXX	XXX	Report	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	30.0	60.0	75	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Calculation
Ammonia	XXX	XXX	XXX	20.0	XXX	40	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Antimony	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Hexavalent Chromium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Thallium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Phenol	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location:

Other Comments:

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 002, 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	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Nitrate-Nitrite	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Calculation
Ammonia	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Arsenic	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Barium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cadmium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cyanide	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Dissolved Magnesium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Outfall 002, Continued (from 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	Daily Maximum	Instant. Maximum		
Total Magnesium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Mercury	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Selenium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Silver	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TOC	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location:

Other Comments:

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 101, 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	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Nitrate-Nitrite	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Calculation
Ammonia	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Arsenic	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Barium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cadmium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Cyanide	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Lead	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Dissolved Magnesium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Outfall 101 , Continued (from 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	Daily Maximum	Instant. Maximum		
Total Magnesium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Mercury	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Selenium	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Silver	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TOC	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location:

Other Comments: