

Application Type Renewal
Facility Type Industrial
Major / Minor Minor

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

Application No. PA0063142
APS ID 521956
Authorization ID 1313549

Applicant and Facility Information

Applicant Name	<u>Chrin Brothers, Inc.</u>	Facility Name	<u>Chrin Brothers Sanitary Landfill</u>
Applicant Address	<u>1225 Industrial Drive</u> <u>Easton, PA 18042</u>	Facility Address	<u>1225 Industrial Drive</u> <u>Easton, PA 18042</u>
Applicant Contact	<u>Joseph Klobusicky</u>	Facility Contact	<u>Joseph Klobusicky</u>
Applicant Phone	<u>(610) 258-8737</u>	Facility Phone	<u>(610) 258-8737</u>
Client ID	<u>42952</u>	Site ID	<u>238053</u>
SIC Code	<u>4953</u>	Municipality	<u>Williams Township</u>
SIC Description	<u>Trans. & Utilities - Refuse Systems</u>	County	<u>Northampton</u>
Date Application Received	<u>April 24, 2020</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>April 24, 2020</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Renewal of NPDES permit.</u>		

Summary of Review

The applicant is requesting renewal of an NPDES permit to discharge up to 0.09 MGD of treated groundwater to Morgan Valley Run, a Cold Water and Migratory Fish (CWF, MF) receiving stream in state water plan basin 02-C (Lower Lehigh River). As per the Department's current existing use list, the receiving stream now has a High-Quality Cold Water and Migratory Fish (HQ-CWF, MF) existing use. The date of existing use evaluation was May 24, 2021. The average of the 2020 and 2021 annual average flows discharged through Outfall 001 is 0.087 MGD.

Outfall 001 discharges treated groundwater associated with the Groundwater Abatement Plan (GAP) for the superfund area of Chrin Landfill. The GAP required by the Record of Decision, as amended and approved by the U.S. EPA and PA DEP (Solid Waste Permit 100022) for the Industrial Lane Superfund Site OU2, called for the partial synthetic capping of the old unlined landfill as well as the installation and operation of a groundwater pump and treat system to remediate groundwater downgradient of closure areas 1, 2, and 3. The ROD issued in March 1991 documented remedial actions to be taken at the site.

Treated effluent is either discharged to Morgan Valley Run or is mixed with leachate and sent to the Easton Area Joint Sewer Authority WWTP. The occasional addition of treated effluent to landfill leachate is performed to meet leachate discharge requirements of the Authority. Stormwater runoff from the landfill is collected in Sediment Basin 1 and discharged to a PennDOT basin before reaching the Lehigh River.

The parameters of concern and limitations included in this permit were established during prior reviews and taken from the EPA ROD.

The previously used low flow yield (LFY) to model the discharge is carried over from previous renewals. Other modeling inputs were updated using USGS's StreamStats and DEP's eMapPA (see attached). When modeling with the Toxics Management Spreadsheet (TMS), recommended limitations for Vinyl Chloride (0.6 µg/L monthly average) are slightly more

Approve	Deny	Signatures	Date
X		<i>Brian Burden</i> Brian Burden, E.I.T. / Project Manager	July 27, 2022
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Environmental Engineer Manager	9-20-22

Summary of Review

stringent when compared to the previous renewal (0.7 µg/L). Since eDMR results show Vinyl Chloride concentrations consistently below 0.2 µg/L indicating the permittee shouldn't have problems meeting the revised limitations, the new limitations will come into effect one year after the permit effective date.

DEP's TMS recommended new limitations for Total Lead (15 µg/L monthly average) since the QL used in the sampling analysis (20 µg/L) submitted with the permit application was higher than the governing WQBEL. The limitations will come into effect one year after the permit effective date and monitoring/reporting is included in the permit until then. As offered in the letter sent to the permittee on June 14, 2022, the permittee may resample for Total Lead three times at a lower QL in an effort to remove the new limitations / monitoring requirements from the final permit based on the revised modeling results. Samples should be taken at least one week apart.

A new template Part C condition containing requirements for groundwater treatment systems is included in this renewal. The special condition requires quarterly monitoring of various groundwater conditions and submittal of a quarterly report.

Stormwater Outfall 002 is currently permitted under NPDES General Permit PAR502202 for its discharge to the Lehigh River (WWF/MF) and is added to this permit. Upon issuance of this final permit, PAR502202 will be terminated. Semiannual monitor/report requirements from Appendix C of the most recent PAG-03 permit are included at Outfall 002 for: Ammonia-N, COD, pH, TSS and Total Iron. The permittee shall submit a complete Annual Report to the DEP office that issued the permit by May 1 each year using DEP's Annual Report template. The Annual Report shall address activities under the permit for the previous calendar year. Two Sector- and Site-Specific BMPs from the PAG-03 general permit are added to Part C.II (Requirements Applicable to Stormwater Outfalls).

DMR review of the previous year revealed no limitation exceedances. There are no open violations for the client that would warrant withholding issuance of this permit. The previously issued permit expired on October 31, 2020 and the application for permit renewal was submitted in a timely manner. There is no DRBC docket for this facility.



StreamStats 1.pdf StreamStats 2.pdf Elevations RMI's.pdf TMS PA0063142.pdf PA0063142 WQBEL Survey.pdf

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.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.09</u>
Latitude	<u>40° 39' 40"</u>	Longitude	<u>-75° 14' 5"</u>
Quad Name	<u>Easton</u>	Quad Code	<u>1344</u>
Wastewater Description: <u>Groundwater Cleanup Discharge</u>			
Receiving Waters	<u>Morgan Valley Run</u>	Stream Code	<u>3336</u>
NHD Com ID	<u>26294359</u>	RMI	<u>0.33</u>
Drainage Area	<u>1.42 mi²</u>	Yield (cfs/mi ²)	<u>0.39</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.55</u>	Q ₇₋₁₀ Basis	<u>Previous LFY</u>
Elevation (ft)	<u>206</u>	Slope (ft/ft)	<u>0.017</u>
Watershed No.	<u>2-C</u>	Chapter 93 Class.	<u>CWF, MF</u>
Existing Use	<u>HQ-CWF, MF</u>	Existing Use Qualifier	<u>Designated Class A Wild Trout</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>
Assessment Status	<u>Not Assessed</u>		
Cause(s) of Impairment	<u>-</u>		
Source(s) of Impairment	<u>-</u>		
TMDL Status	<u>-</u>	Name	<u>-</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>-</u>		<u>-</u>
Temperature (°F)	<u>-</u>		<u>-</u>
Hardness (mg/L)	<u>-</u>		<u>-</u>
Other:	<u>-</u>		<u>-</u>
Nearest Downstream Public Water Supply Intake	<u>BCWSA New Hope</u>		
PWS Waters	<u>Delaware River</u>	Flow at Intake (cfs)	<u>670 (0.1 cfs/mi² LFY)</u>
PWS RMI	<u>73.3</u>	Distance from Outfall (mi)	<u>~65</u>

Changes Since Last Permit Issuance: Existing use of HQ-CWF, MF for Morgan Valley Run.