

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

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Application No. PA0060879
 APS ID 860877
 Authorization ID 1512979

Applicant and Facility Information

Applicant Name	<u>Springdale Gardens LP</u>	Facility Name	<u>Springdale Gardens</u>
Applicant Address	<u>PO Box 849</u> <u>Olyphant, PA 18447</u>	Facility Address	<u>324 Country Club Road</u> <u>Lehighton, PA 18235</u>
Applicant Contact	<u>Jay Cooperman</u>	Facility Contact	<u>David Scholtz</u>
Applicant Phone	<u>(570) 489-3288</u>	Facility Phone	<u>(570) 629-2981</u>
Client ID	<u>316727</u>	Site ID	<u>2740</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Mahoning Township</u>
Connection Status		County	<u>Carbon</u>
Date Application Received	<u>January 15, 2025</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>January 29, 2025</u>	If No, Reason	
Purpose of Application	<u>Renewal of existing NPDES permit to discharge treated sewage.</u>		

Summary of Review

The applicant is requesting to renew an existing NPDES permit to discharge treated sewage effluent to Tributary 04055 to Mahoning Creek, an Exceptional Value, Migratory Fishes receiving stream in PA State Water Basin 2-B (Middle Lehigh River). As per the Department's current existing use list, the receiving stream does not have an existing use classification that is more protective than its designated use.

The facility does not anticipate an increase in discharge, thus anti-degradation module 1 was not attached to the application. This facility is not expected to impact EV waters. The facility discharges to waters classified as SPW and is required to have available standby power. The existing WWTP has a generator installed capable of providing standby power.

The system for the facility is as follows: Raw sewage enters and goes through a bar screen for primary treatment. Secondary treatment is via two (2) aeration tanks followed by a primary clarifier. Effluent is then disinfected with chlorine, dechlorinated and then gets discharged through Outfall 001 to the receiving stream. The facility reports that Aluminum Sulfate is added for settleability, and soda ash is added for pH adjustment.

There are no representative stream gages in the vicinity of the outfall. The default LFY of 0.1 cfs/mi² was chosen to model the discharge. For modeling inputs, RMI values were obtained using the "PA Historic Streams" feature of eMapPA as well as the "measure" tool. Drainage areas were delineated using USGS's StreamStats Interactive Map and elevations were obtained using the elevation profile feature of StreamStats (see Watershed Information attachment). Q7-10 for the point of first use was determined using Streamstats.

This facility operates under DRBC Docket NO. D-2009-044-4, which was approved on June 11, 2025 and will expire on April 30, 2030. There are no reporting or limitation requirements in the docket that don't already exist in the NPDES permit.

Approve	Deny	Signatures	Date
X		 William Hon / Environmental Engineer Specialist	January 23, 2026
X		 Edward Dudick, P.E. / Environmental Engineer Manager	March 11, 2026

Summary of Review

E. Coli monitoring requirements will be introduced into the new permit according to PA DEP policy for individual sewage effluent limitations. E. Coli requirements for a treatment plant with less than .05 MGD discharge are found in the SOP for establishing effluent limitations for individual sewage.

CBOD₅ influent monitoring requirements and quarterly Total Dissolved Solids requirements are maintained in this permit renewal. Limitations for pH, CBOD₅, Total Suspended Solids, and Fecal Coliform are technology-based and carried over from the previous permit. Limitations for Ammonia-Nitrogen, Dissolved Oxygen, and TRC are water quality-based and carried over from the previous permit. WQM modeling did not recommend stricter limitations for any parameters.

Yearly monitoring of Total Nitrogen and Total Kjeldahl Nitrogen is retained in the permit. Total Nitrogen is the sum of Total Kjeldahl-N (TKN) plus Nitrite-Nitrate as N (NO₂+NO₃-N), where TKN and NO₂+NO₃-N are measured in the same sample.

All monitoring & sampling requirements have been verified against Table 6-3 of the Permit Writer's Manual and the SOP for Establishing Effluent Limits in Individual Sewage Treatment Facilities. It was decided that the 2/month monitoring requirements for Total Phosphorus and Nitrate-Nitrite as N were excessive for the size of the facility. Two permit cycles ago, the requirement was 1/month for these parameters and the last cycle, they were changed to 2/month. The requirements are being changed back to 1/month.

The following special conditions are being added into the permit:

- Chlorine Minimization
- DRBC Requirements
- Solids Management

0.4 dry tons of sludge generated from the facility is hauled offsite via independent contractor to Greater Hazleton Joint Sewer Authority.

The most recent inspection performed at this facility occurred on 4/24/2025 and resulted in zero (0) NOVs. There are three (3) NOVs active for this facility:

- 92A.44: NPDES - Violation of effluent limits in Part A of permit
- 92A.61(C): NPDES - Failure to monitor pollutants as required by the NPDES permit
- 92A.41(A)12B: NPDES - Failure to submit monitoring report(s) or properly complete monitoring reports

All three NOVs are dated 4/25/2024 and are under inspection ID 3759698.

Recommend Approval.

Modeling Inputs:

Springdale Gardens Modeling
PT1 @ Outfall 001, Tributary 04055 to Mahoning Creek, 2B, Middle Lehigh River, EV-CWF, MF, RMI: .75 (for modeling purposes)

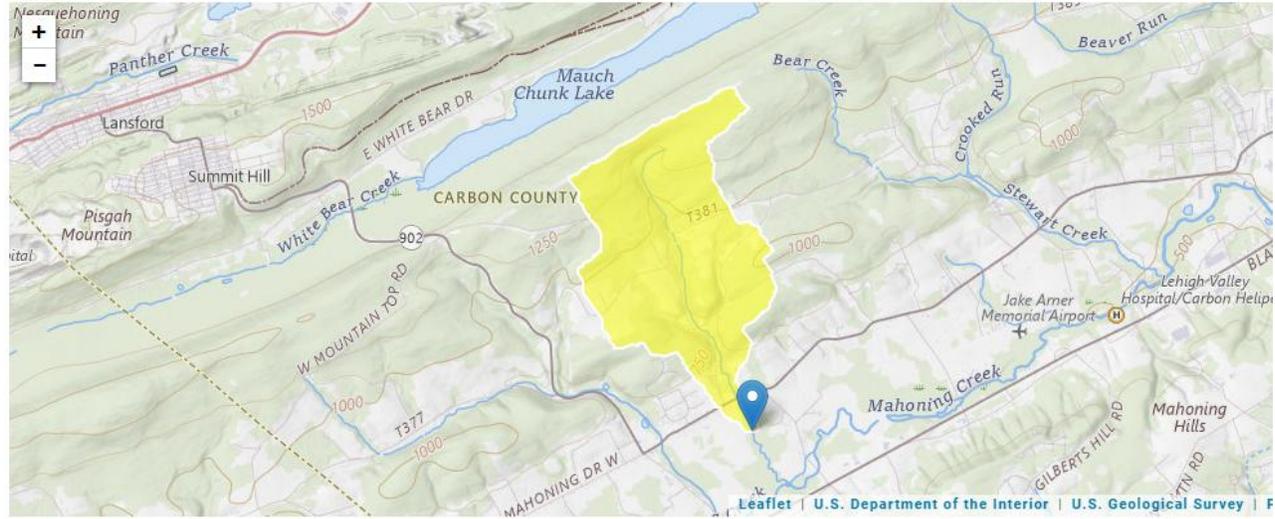
Summary of Review

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40.79981, -75.79539

Time:

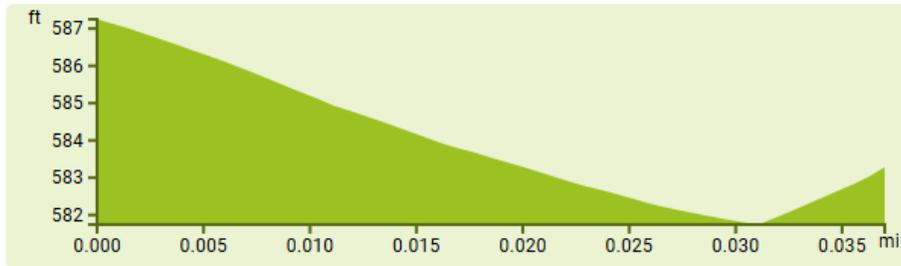
2025-09-26 09:06:20 -0400



Collap

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	1.87	square miles
7 Day 10 Year Low Flow		0.0798	ft ³ /s



40.79989 -75.79532 581.74

PT2 @ Conflux w/ Mahoning Creek, RMI: .01 (for modeling purposes)

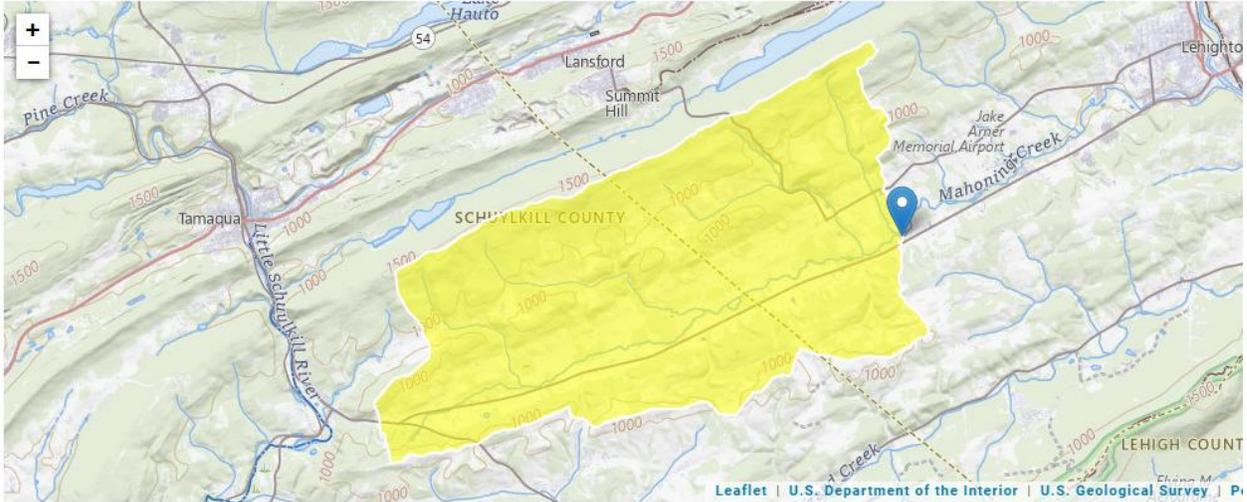
Summary of Review

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40.79407, -75.78948

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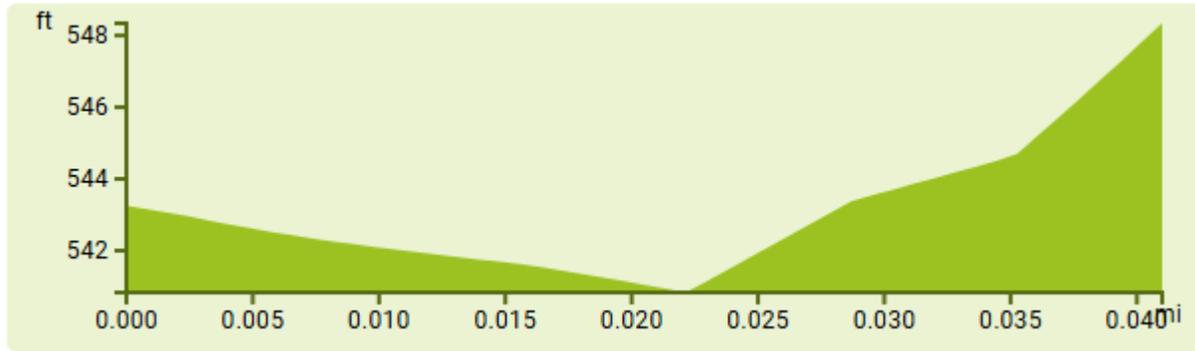
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[-] Collapse

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	25.6	square miles
7 Day 10 Year Low Flow		1.16	ft³/s



40.79414 -75.78939 541.05

Summary of Review

The screenshot shows the 'Effluent Limitations' tab in the 'Analysis Results WQM 7.0' software. It features a table for discharge parameters and a table for effluent limits.

RMI	Discharge Name	Permit Number	Disc Flow (mgd)
0.75	Springdale	PA0060879	0.0126

Parameter	Effluent Limit 30 Day Average (mg/L)	Effluent Limit Maximum (mg/L)	Effluent Limit Minimum (mg/L)
CBOD5	25		
NH3-N	12.35	24.7	
Dissolved Oxygen			3

Record: 1 of 1 | No Filter | Search

Buttons: Print, < Back, Next >, Archive, Cancel

TRC EVALUATION

Input appropriate values in A3:A9 and D3:D9

0.0798	= Q stream (cfs)	0.5	= CV Daily
0.0126	= Q discharge (MGD)	0.5	= CV Hourly
30	= no. samples	1	= AFC_Partial Mix Factor
0.3	= Chlorine Demand of Stream	1	= CFC_Partial Mix Factor
0	= Chlorine Demand of Discharge	15	= AFC_Criteria Compliance Time (min)
0.5	= BAT/BPJ Value	720	= CFC_Criteria Compliance Time (min)
0	= % Factor of Safety (FOS)		= Decay Coefficient (K)
Source	Reference	AFC Calculations	Reference CFC Calculations
TRC	1.3.2.iii	WLA afc = 1.325	1.3.2.iii WLA cfc = 1.284
PENTOXSD TRG	5.1a	LTAMULT afc = 0.373	5.1c LTAMULT cfc = 0.581
PENTOXSD TRG	5.1b	LTA_afc = 0.494	5.1d LTA_cfc = 0.747
Source		Effluent Limit Calculations	
PENTOXSD TRG	5.1f	AML MULT = 1.231	
PENTOXSD TRG	5.1g	AVG MON LIMIT (mg/l) = 0.500	BAT/BPJ
		INST MAX LIMIT (mg/l) = 1.635	

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

Summary of Review

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.



Pennsylvania
Department of
Environmental Protection