

MINUTES
WORCESTER TOWNSHIP BOARD OF SUPERVISORS
WORKSHOP MEETING
WORCESTER TOWNSHIP COMMUNITY HALL
August 21, 2024 – 6:30 PM

CALL TO ORDER

The meeting was called to order at 6:32 PM.

PLEDGE OF ALLEGIANCE

ATTENDANCE

All members of the Board of Supervisors were present.

ANNOUNCEMENTS:

The Interim Township Manager stated that the meeting was being recorded for future broadcast.

INFORMATIONAL ITEMS

PUBLIC COMMENT

George Probst of 1690 Wood Bridge Ln spoke on some house bills that were in the state legislator dealing with zoning bills. The resident stated that he is worried that these bills might make the Township have difficulty with development.

Supervisor DeLello informed Mr. Probst that the township is aware of some bills to take over local zoning the Commonwealth. He explained that PSATS lobbies against these types of bills.

The resident also presented a copy of a resolution from Upper Salford to oppose these types of bills.

Supervisor Quigley thanked Mr. Probst for taking interest in Township matters.

WORKSESSION TOPICS

- Fee Schedule Amendment for Permits Discussion

Christian Jones, Assistant Township Manager, gave a brief overview of the proposed fee updates. These fee updates would cover the cost of user-based permit processing and review expenses.

Supervisor DeLello asked about the thought process behind requiring an upfront application fee.

Mr. Jones informed the Board that the application fee would cover part of the cost to process and review a permit application if it were denied or withdrawn.

Supervisor DeLello asked Mr. Jones to explain the process behind the fees.

Mr. Jones explained his analysis.

Supervisor Quigley stated that no one likes fees but the purpose is to more accurately reflect the resource allocation of the Township. He also told the public that the individual services should be covered by the individuals that use the service.

Mr. Betz asked why the analysis originated. He also stated with the budget surplus in fee raises might not be necessary.

Supervisor DeLello reexplained that the cost is currently covered by all taxpayers but it should be covered by the resident pulling the permit.

Supervisor Quigley stated that keeping fees low would be like charging the entire township for water used by those on public water.

OTHER BUSINESS

PUBLIC COMMENT

Bob Andorn of Worcester Township made a comment against fee increases.

Christine Steere of Worcester Township expressed agreement with Mr. Andorn.

ADJOURNMENT

The meeting was adjourned at 7:03 PM.

**MINUTES
WORCESTER TOWNSHIP BOARD OF SUPERVISORS
BUSINESS MEETING
WORCESTER TOWNSHIP COMMUNITY HALL
August 21, 2024 - 7:00 PM**

CALL TO ORDER

The meeting was called to order at 7:08 PM by Chairman DeLello.

PLEDGE OF ALLEGIANCE

ATTENDANCE

All members of the Board of Supervisors were present.

ANNOUNCEMENTS:

The Interim Township Manager stated that the meeting was being recorded for future broadcast and informed the public of an executive session that occurred on July 23, 2024 for personnel matters and contract negotiations.

PUBLIC COMMENT

Bob Andorn of Worcester Township referenced in July a comment he made in relation to the hydrant rentals. He stated that there was a journal entry but felt that the question was not answered. He asked for all documentation on the line item. There was nothing that would have been addressed in a negative amount.

Supervisor Quigley stated that he knows Mr. Andorn will be back and that hopefully keeping staff around might help address some of the issues. He stated that he appreciates resident concerns.

Steve Westoff of Worcester Township commented about his environmental background and expressed his happiness to hear the townships interest in the environment and spoke in support of an environmental engineer. He also complained about the litter on the road.

Supervisor DeLello responded that the topic of environmental engineering will have more information and discussion when the item comes up on the agenda.

OFFICIAL ACTION ITEMS

Consent Agenda

A motion to approve a consent agenda that includes the following items:

- i. July 17th Work Session Meeting minutes;
- ii. July 17th Business Meeting minutes;
- iii. Treasurer's Report and other Monthly Reports for July 2024; and

iv. bill payment for July 2024

was made by Supervisor Betz and seconded by Supervisor Quigley. The motion was approved unanimously.

MOTION

- a) Motion by Supervisor DeLello, seconded by Supervisor Quigley to appoint Pennoni as Township Environmental Engineer and authorize the Interim Township Manager to execute the Environmental Consulting Services Agreement

Supervisor DeLello gave an introduction for this topic, and specifically, the review of the City View site. He stated that there is contamination on site and the property owner can self-remediate. The property owner recognizes seven locations where there is soil contamination. There is no remediation currently happening and the remediation has to happen before the land development. He stated that the Township is trying to hold the property owners accountable to remediate the land.

Supervisor Betz requested that the solicitor provide additional recommendations. At least 3 options would be nice. He is not ready to commit to a contract with anyone and would like to table this topic.

Supervisor DeLello pointed out that during past two meetings there were two contracts presented, and appointing someone immediately would make the resources available for the engineering. He brought up the large amount of concern from residents. He also clarified the zoning waiver currently before the ZHB.

Mr. Finnigan clarified that the variances were for sidewalks, parking closer to the roadway and storm water.

Wendy McKenna, the solicitor, clarified that this is a variance not a waiver as previously stated.

John Evarts further clarified what the three variances were.

Supervisor Betz clarified that the application was just a reapply because the deadline had passed.

Supervisor Quigley commented that if Mr. Betz is ready next month to make a decision, he can wait a month.

Supervisor DeLello asked to clarify what Mr. Betz needs to happen before next month to be confident in a vote.

Supervisor Betz clarified that he wants three proposals and the board will pick the best one.

The board reached a consensus to have contractors presented for next month.

- b) Motion to appoint Daniel DeMeno as Township Manager, Township Secretary, Zoning Officer, Code Enforcement Officer, and Right-To-Know Officer effective September 3, 2024

Supervisor DeLello introduced the new Township Manager Dan DeMeno.

A motion to appoint Dan DeMeno as Township Manager, Township Secretary, Zoning Officer, Code Enforcement Officer, and Right-To-Know Officer effective September 3, 2024 was made by Supervisor Betz, seconded by Supervisor Quigley. The motion passed unanimously.

- c) Motion to approve Resolution 2024-11 establishing compensation for the Township Manager effective September 3, 2024

The motion was made by Supervisor Betz, seconded by Supervisor Quigley. The motion passed unanimously.

- d) Motion to authorize the Chairman of the Board of Supervisors to execute the Employment Agreement between Worcester Township and Daniel DeMeno effective September 3, 2024

The motion was made by Supervisor Betz, seconded by Supervisor Quigley. The motion passed unanimously.

- e) Motion to authorize the Interim Township Manager, in his capacity as plan administrator, to sign the 2025 Minimum Municipal Obligation forms for the Non-Uniformed Employees' Money Purchase Pension Plan and the Retirement Plan for Employees of Worcester Township

Mr. Finnigan gave some background on the Township contribution to the employee retirement plans.

The motion was made by Supervisor Betz, seconded by Supervisor Quigley. The motion passed unanimously.

- f) Motion to approve Resolution 2024-12 amending the Fee Schedule for Permit Fees

Supervisor DeLello suggested that pausing might be the best option. He stated that raising the fee schedule to expenses makes sense but, elevating resident concerns might be a good idea.

Supervisor Quigley stated that the Assistant Manager created this analysis and that the Board is just trying to be good stewards of the money.

OTHER BUSINESS

Mr. Finnigan explained that the Nike Park Deed restriction makes it so the fire company cannot build a fire training site on the land.

There was a discussion on what the park could be used for and the solicitor stated that it could only be used for recreation and open space.

Supervisors Quigley & DeLello offered thanks to Mr. Finnigan for his efforts on behalf of the Township as the Interim Township Manager.

PUBLIC COMMENT

Bob Andorn of Worcester spoke that the environmental engineer should be a higher priority. He also spoke about land use at Nike Park. Additionally, he spoke about the location analysis of the band shell.

Bill McGrave informed the Board about an agriculture meeting that he had attended earlier in the month and stated that they discussed among other things invasive species like, India Hemp and Spotted Lantern Fly. He also reported that many groups were represented including 4-H.

ADJOURNMENT

The meeting was adjourned at 8:22 PM.

DRAFT

TOWNSHIP OF WORCESTER
Statement of Revenue and Expenditures - Standard

Revenue Account Range: First to Last

Expend Account Range: First to Last

Print Zero YTD Activity: No

Include Non-Anticipated: No

Include Non-Budget: No

Year To Date As Of: 08/31/24

Current Period: 08/01/24 to 08/31/24

Prior Year: Thru 12/31/23

<u>Revenue Account</u>	<u>Description</u>	<u>Prior Yr Rev</u>	<u>Anticipated</u>	<u>Curr Rev</u>	<u>YTD Rev</u>	<u>Excess/Deficit</u>	<u>% Real</u>
001-301-100-000	Property Taxes- Current	50,576.05	43,990.00	254.54	50,916.70	6,926.70	116
001-301-500-000	Property Taxes- Liened	785.07	500.00	47.59	643.71	143.71	129
001-301-600-000	Property Taxes- Interim	872.82	200.00	9.51	169.98	30.02 -	85
	301 Total	52,233.94	44,690.00	311.64	51,730.39	7,040.39	115
001-310-030-000	Per Capita Taxes- Delinquent	113.30	120.00	1.10	63.80	56.20 -	53
001-310-100-000	Real Estate Transfer Taxes	698,489.99	250,000.00	37,509.50	253,721.13	3,721.13	101
001-310-210-000	Earned Income Taxes	3,616,329.60	3,400,000.00	573,771.63	2,023,768.80	1,376,231.20 -	60
001-310-220-000	Earned Income Taxes- Prior Year	0.00	25.00	0.00	0.00	25.00 -	0
	310 Total	4,314,932.89	3,650,145.00	611,282.23	2,277,553.73	1,372,591.27 -	62
001-321-800-000	Franchise Fees	209,405.71	188,000.00	51,133.46	102,207.91	85,792.09 -	54
001-322-820-000	Road Opening Permits	901.00	300.00	53.00	265.00	35.00 -	88
001-322-900-000	Sign Permits	167.50	100.00	0.00	28.00	72.00 -	28
001-322-920-000	Solicitation Permits	532.00	500.00	0.00	588.00	88.00	118
	322 Total	1,600.50	900.00	53.00	881.00	19.00 -	97
001-331-120-000	Ordinance Violations	2,492.14	1,600.00	0.00	5,560.55	3,960.55	348
001-341-000-000	Interest Earnings	16,691.98	4,000.00	1,962.23	9,925.10	5,925.10	248
001-342-000-000	Rents & Royalties	22,627.62	21,167.37	1,923.16	15,374.73	5,792.64 -	73
001-342-120-000	Cell Tower Rental	145,186.51	165,900.00	20,435.42	105,905.54	59,994.46 -	64
	342 Rents & Royalties	167,814.13	187,067.37	22,358.58	121,280.27	65,787.10 -	64
001-355-010-000	Public Utility Realty Tax	3,384.33	3,384.33	0.00	0.00	3,384.33 -	0
001-355-040-000	Alcohol License Fees	600.00	600.00	0.00	200.00	400.00 -	33

TOWNSHIP OF WORCESTER
Statement of Revenue and Expenditures

09/12/2024
10:02 AM

<u>Revenue Account</u>	<u>Description</u>	<u>Prior Yr Rev</u>	<u>Anticipated</u>	<u>Curr Rev</u>	<u>YTD Rev</u>	<u>Excess/Deficit</u>	<u>% Real</u>
001-355-050-000	General Municipal Pension State Aid	45,040.40	45,040.40	0.00	0.00	45,040.40 -	0
001-355-070-000	Volunteer Fire Relief Association	102,451.40	102,451.40	0.00	0.00	102,451.40 -	0
	355 Total	151,476.13	151,476.13	0.00	200.00	151,276.13 -	0
001-361-300-000	Land Development Fees	750.00	3,000.00	500.00	500.00	2,500.00 -	17
001-361-330-000	Conditional Use Fees	1,000.00	900.00	0.00	0.00	900.00 -	0
001-361-340-000	Zoning Hearing Board Fees	15,300.00	16,150.00	875.00	12,825.00	3,325.00 -	79
001-361-500-000	Map And Publication Sales	0.00	5.00	0.00	66.25	61.25	***
	361 Total	17,050.00	20,055.00	1,375.00	13,391.25	6,663.75 -	66
001-362-410-000	Building Permit Fees	114,654.08	75,000.00	15,572.43	90,965.44	15,965.44	121
001-362-420-000	Zoning Permit Fees	22,797.00	19,500.00	4,754.00	21,495.00	1,995.00	110
001-362-450-000	Commercial U&O Fees	400.00	200.00	100.00	500.00	300.00	250
001-362-460-000	Driveway Permit Fees	1,147.00	500.00	140.00	868.00	368.00	174
	362 Total	138,998.08	95,200.00	20,566.43	113,828.44	18,628.44	119
001-367-408-000	Sports & Lesson Fees	1,903.00	3,000.00	215.00	1,505.00	1,495.00 -	50
001-367-420-000	Park Miscellaneous	13,019.75	13,400.00	4,862.50	22,072.50	8,672.50	165
	367 Total	14,922.75	16,400.00	5,077.50	23,577.50	7,177.50	143
001-381-000-000	Miscellaneous Income	80,926.26	1,000.00	8.43	15,714.76	14,714.76	***
001-381-001-000	Service Charge Fees	312.59	225.00	18.90	171.52	53.48 -	76
	381 Miscellaneous Income	81,238.85	1,225.00	27.33	15,886.28	14,661.28	***
001-383-200-000	Escrow Administration	1,320.00	880.00	440.00	990.00	110.00	112
001-395-000-000	Refund of Prior Year Expenditures	80.44	0.00	0.00	0.00	0.00	0
	Fund 001 Revenue Totals	5,170,257.54	4,361,638.50	714,587.40	2,737,012.42	1,624,626.08 -	62

TOWNSHIP OF WORCESTER
Statement of Revenue and Expenditures

09/12/2024
10:02 AM

<u>Expenditure Account</u>	<u>Description</u>	<u>Prior Yr Expd</u>	<u>Budgeted</u>	<u>Current Expd</u>	<u>YTD Expended</u>	<u>Unexpended</u>	<u>% Expd</u>
001-400-000-000	LEGISLATIVE BODY:	0.00	0.00	0.00	0.00	0.00	0
001-400-110-000	Legislative- Payroll	7,500.00	7,500.00	630.00	5,040.00	2,460.00	67
001-400-150-000	Legislative- Benefits	27,854.18	55,210.98	2,793.54	21,348.48	33,862.50	39
001-400-312-000	Legislative- Consultant Services	36,687.50	22,750.00	0.00	32,600.00	9,850.00 -	143
001-400-337-000	Legislative- Mileage Reimbursement	0.00	400.00	0.00	353.76	46.24	88
001-400-420-000	Legislative- Dues & Subscriptions	5,776.00	4,625.00	0.00	523.00	4,102.00	11
001-400-460-000	Legislative- Meetings & Seminars	3,480.49	5,175.00	0.00	4,530.57	644.43	88
	400 LEGISLATIVE BODY:	81,298.17	95,660.98	3,423.54	64,395.81	31,265.17	67
001-401-000-000	MANAGER:	0.00	0.00	0.00	0.00	0.00	0
001-401-120-000	Management- Payroll	210,101.65	219,000.00	15,133.84	170,748.11	48,251.89	78
001-401-150-000	Management- Benefits	51,246.62	53,257.20	1,911.43	24,706.92	28,550.28	46
001-401-312-000	Management- Consultant Services	4,000.00	9,950.00	5,904.60	5,904.60	4,045.40	59
001-401-321-000	Management- Mobile Phone	1,348.58	1,380.00	107.87	860.98	519.02	62
001-401-337-000	Management- Mileage Reimbursement	5,362.42	5,160.00	540.00	5,983.49	823.49 -	116
001-401-460-000	Management- Meetings & Seminars	7,218.53	7,260.00	648.02	4,088.92	3,171.08	56
	401 MANAGER:	279,277.80	296,007.20	24,245.76	212,293.02	83,714.18	72
001-402-000-000	FINANCIAL ADMINISTRATION:	0.00	0.00	0.00	0.00	0.00	0
001-402-120-000	Finance- Payroll	84,892.77	89,250.00	6,865.38	56,634.40	32,615.60	63
001-402-150-000	Finance- Benefits	40,848.33	54,592.47	2,948.46	26,313.14	28,279.33	48
001-402-321-000	Finance- Mobile Phone	225.00	300.00	25.00	200.00	100.00	67
001-402-337-000	Finance- Mileage Reimbursement	234.63	250.00	0.00	114.57	135.43	46
001-402-460-000	Finance- Meeting & Seminars	115.00	1,300.00	0.00	493.85	806.15	38
	402 FINANCIAL ADMINISTRATION:	126,315.73	145,692.47	9,838.84	83,755.96	61,936.51	57
001-403-000-000	TAX COLLECTION:	0.00	0.00	0.00	0.00	0.00	0
001-403-110-000	Tax Collection- Payroll	2,780.70	2,234.50	2,535.15	2,644.53	410.03 -	118

TOWNSHIP OF WORCESTER
Statement of Revenue and Expenditures

09/12/2024
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001-403-150-000	Tax Collection- Benefits	212.72	122.26	193.94	202.31	80.05 -	165
001-403-210-000	Tax Collection- Office Supplies	5,544.29	6,050.00	0.00	4,661.31	1,388.69	77
001-403-310-000	Tax Collection- Professional Services	36,912.34	37,400.28	6,194.20	29,110.86	8,289.42	78
	403 TAX COLLECTION:	45,450.05	45,807.04	8,923.29	36,619.01	9,188.03	80
001-404-000-000	LEGAL SERVICES:	0.00	0.00	0.00	0.00	0.00	0
001-404-310-000	Legal- General Services	279,943.05	181,263.50	21,254.12	167,734.71	13,528.79	93
001-404-320-000	Legal- RTK Services	0.00	12,000.00	0.00	0.00	12,000.00	0
	404 LEGAL SERVICES:	279,943.05	193,263.50	21,254.12	167,734.71	25,528.79	87
001-405-000-000	CLERICAL:	0.00	0.00	0.00	0.00	0.00	0
001-405-140-000	Clerical- Payroll	77,504.45	105,260.40	7,660.00	60,408.70	44,851.70	57
001-405-150-000	Clerical- Benefits	23,223.42	36,605.43	1,063.00	10,389.68	26,215.75	28
001-405-210-000	Clerical- Office Supplies	4,835.19	6,700.00	210.47	2,409.41	4,290.59	36
001-405-310-000	Payroll Services	12,077.80	13,500.00	980.92	8,232.12	5,267.88	61
001-405-321-000	Clerical- Telephone	4,139.02	4,893.00	0.00	2,217.32	2,675.68	45
001-405-325-000	Clerical- Postage	4,034.48	5,619.00	1,153.09	2,773.04	2,845.96	49
001-405-337-000	Clerical- Mileage Reimbursement	0.00	240.00	0.00	0.00	240.00	0
001-405-340-000	Clerical- Advertisement	4,314.94	6,900.00	0.00	2,498.52	4,401.48	36
001-405-460-000	Clerical- Meetings & Seminars	0.00	2,540.00	0.00	512.94	2,027.06	20
001-405-465-000	Clerical- Computer Expense	63,336.73	95,426.00	4,531.95	50,532.03	44,893.97	53
001-405-470-000	Clerical- Other Expense	11,502.76	14,370.00	931.64	7,755.06	6,614.94	54
	405 CLERICAL:	204,968.79	292,053.83	16,531.07	147,728.82	144,325.01	51
001-408-000-000	ENGINEERING SERVICES:	0.00	0.00	0.00	0.00	0.00	0
001-408-310-000	Engineering Services	63,567.74	41,250.00	11,101.16	49,149.20	7,899.20 -	119
001-409-000-000	GOVERNMENT BUILDINGS & PLANT:	0.00	0.00	0.00	0.00	0.00	0
001-409-136-000	Administration- Utilities	9,373.72	11,964.00	425.38	5,237.09	6,726.91	44

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001-409-137-000	Administration- Maintenance & Repairs	13,868.89	19,416.00	1,359.64	12,128.72	7,287.28	62
001-409-142-000	Administration- Alarm Service	3,276.68	4,632.00	0.00	3,264.49	1,367.51	70
001-409-147-000	Administration- Other Expenses	992.61	2,520.00	165.78	1,184.35	1,335.65	47
001-409-236-000	Garage- Utilities	13,866.75	15,540.00	345.15	8,112.40	7,427.60	52
001-409-237-000	Garage- Maintenance & Repairs	9,800.67	12,732.00	531.26	6,758.72	5,973.28	53
001-409-242-000	Garage- Alarm Service	1,742.45	2,892.00	0.00	1,392.04	1,499.96	48
001-409-247-000	Garage- Other Expenses	1,124.88	1,740.00	208.96	1,244.58	495.42	72
001-409-436-000	Community Hall- Utilities	6,971.62	6,396.00	230.95	3,275.95	3,120.05	51
001-409-437-000	Community Hall- Maintenance & Repairs	5,303.80	6,960.00	306.98	3,574.06	3,385.94	51
001-409-447-000	Community Hall- Other Expenses	122.24	660.00	89.51	89.51	570.49	14
001-409-536-000	Historical Bldg- Utilities	3,020.48	5,352.50	0.00	99.04	5,451.54	2
001-409-537-000	Historical Bldg- Maintenance & Repairs	777.41	1,848.00	0.00	1,150.86	697.14	62
001-409-636-000	Hollow Rd Rental- Utilities	0.00	250.00	0.00	0.00	250.00	0
001-409-637-000	Hollow Rd Rental- Maintenance & Repairs	245.00	4,248.00	0.00	249.00	3,999.00	6
001-409-737-000	Springhouse- Maintenance & Repairs	0.00	1,000.00	0.00	0.00	1,000.00	0
001-409-836-000	Dutchy Church- Utilities	117.37	600.00	0.00	287.07	312.93	48
	409 GOVERNMENT BUILDINGS & PLANT:	70,404.57	98,750.50	3,663.61	47,849.80	50,900.70	48
001-411-000-000	FIRE:	0.00	0.00	0.00	0.00	0.00	0
001-411-380-000	Fire Protection- Hydrant Rentals	20,107.95	30,849.00	980.22	6,746.79	24,102.21	22
001-411-540-000	Fire Protection- WVFD Contributions	386,352.40	467,847.40	0.00	356,696.00	111,151.40	76
	411 FIRE:	406,460.35	498,696.40	980.22	363,442.79	135,253.61	73
001-413-000-000	UCC & CODE ENFORCEMENT:	0.00	0.00	0.00	0.00	0.00	0
001-413-110-000	Fire Marshal- Payroll	8,315.50	16,380.00	0.00	4,215.00	12,165.00	26
001-413-110-150	Fire Marshal- Benefits	5,061.48	5,694.71	0.00	2,532.72	3,161.99	44
001-413-150-000	Code Enforcement- Benefits	0.00	252.75	0.00	0.00	252.75	0
001-413-210-000	Code Enforcement- Supplies	1,195.00	7,805.00	0.00	1,220.00	6,585.00	16

TOWNSHIP OF WORCESTER
Statement of Revenue and Expenditures

09/12/2024
10:02 AM

<u>Expenditure Account</u>	<u>Description</u>	<u>Prior Yr Expd</u>	<u>Budgeted</u>	<u>Current Expd</u>	<u>YTD Expended</u>	<u>Unexpended</u>	<u>% Expd</u>
001-413-312-000	Code Enforcement- Consultant Services	62,645.00	82,990.80	3,944.00	30,328.00	52,662.80	37
001-413-321-000	Code Enforcement- Mobile Phone	262.86	300.00	27.53	220.24	79.76	73
001-413-337-000	Code Enforcement- Mileage Reimbursement	0.00	840.00	0.00	0.00	840.00	0
001-413-460-000	Code Enforcement- Meetings & Seminars	0.00	400.00	0.00	0.00	400.00	0
	413 UCC & CODE ENFORCEMENT:	77,479.84	114,663.26	3,971.53	38,515.96	76,147.30	34
001-414-000-000	PLANNING & ZONING:	0.00	0.00	0.00	0.00	0.00	0
001-414-140-000	Zoning- Payroll	2,400.00	4,400.00	200.00	1,350.00	3,050.00	31
001-414-150-000	Zoning- Benefits	183.75	337.04	15.32	103.38	233.66	31
001-414-310-000	Zoning- Professional Services	14,114.00	11,400.00	1,464.00	9,726.00	1,674.00	85
001-414-313-000	Zoning- Engineering	0.00	1,500.00	0.00	308.12	1,191.88	21
001-414-314-000	Zoning- Legal	34,326.12	36,100.00	1,280.00	22,360.00	13,740.00	62
001-414-315-000	Zoning- Conditional Use	0.00	8,700.00	0.00	1,634.00	7,066.00	19
001-414-341-000	Zoning- Advertisement	4,063.25	4,725.00	130.01	3,136.56	1,588.44	66
001-414-460-000	Zoning- Meetings & Seminars	0.00	200.00	0.00	0.00	200.00	0
	414 PLANNING & ZONING:	55,087.12	67,362.04	3,089.33	38,618.06	28,743.98	57
001-419-000-000	OTHER PUBLIC SAFETY:	0.00	0.00	0.00	0.00	0.00	0
001-419-242-000	PA One Call	2,801.16	2,580.00	0.00	549.03	2,030.97	21
001-430-000-000	PUBLIC WORKS - ADMIN:	0.00	0.00	0.00	0.00	0.00	0
001-430-140-000	Public Works- Payroll	517,777.64	602,837.46	42,554.66	333,220.87	269,616.59	55
001-430-150-000	Public Works- Benefits	264,482.47	354,639.51	19,550.87	170,498.86	184,140.65	48
001-430-238-000	Public Works- Uniforms	7,930.61	9,200.00	514.24	4,766.26	4,433.74	52
001-430-326-000	Public Works- Mobile phones	596.30	672.00	42.22	337.76	334.24	50
001-430-460-000	Public Works- Meetings & Seminars	270.00	1,900.00	0.00	270.00	1,630.00	14
001-430-470-000	Public Works- Other Expenses	1,977.00	1,615.00	98.00	1,682.00	67.00 -	104
	430 PUBLIC WORKS - ADMIN:	793,034.02	970,863.97	62,759.99	510,775.75	460,088.22	53

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<u>Expenditure Account</u>	<u>Description</u>	<u>Prior Yr Expd</u>	<u>Budgeted</u>	<u>Current Expd</u>	<u>YTD Expended</u>	<u>Unexpended</u>	<u>% Expd</u>
001-432-000-000	WINTER MAINTENANCE- SNOW REMOVAL:	0.00	0.00	0.00	0.00	0.00	0
001-432-200-000	Snow Removal- Materials	9,194.96	40,625.00	0.00	21,526.89	19,098.11	53
001-432-450-000	Snow Removal- Contractor	0.00	1,500.00	0.00	0.00	1,500.00	0
	432 WINTER MAINTENANCE- SNOW REMOVA	9,194.96	42,125.00	0.00	21,526.89	20,598.11	51
001-433-000-000	TRAFFIC CONTROL DEVICES:	0.00	0.00	0.00	0.00	0.00	0
001-433-313-000	Traffic Signal- Engineering	4,051.02	5,000.00	0.00	8,921.72	3,921.72 -	178
001-433-361-000	Traffic Signal- Electricity	4,891.65	4,740.00	503.44	2,388.58	2,351.42	50
001-433-374-000	Traffic Signal- Maintenance	11,636.14	11,400.00	1,742.40	5,900.31	5,499.69	52
	433 TRAFFIC CONTROL DEVICES:	20,578.81	21,140.00	2,245.84	17,210.61	3,929.39	81
001-437-000-000	REPAIRS OF TOOLS AND MACHINERY:	0.00	0.00	0.00	0.00	0.00	0
001-437-250-000	Machinery & Tools- Vehicle Maintenance	67,357.31	82,200.00	129.26	48,412.71	33,787.29	59
001-437-260-000	Machinery & Tools- Small Tools	4,199.26	16,000.00	416.82	4,365.23	11,634.77	27
	437 REPAIRS OF TOOLS AND MACHINERY:	71,556.57	98,200.00	546.08	52,777.94	45,422.06	54
001-438-000-000	ROADS & BRIDGES:	0.00	0.00	0.00	0.00	0.00	0
001-438-231-000	Gasoline	5,800.34	5,500.00	397.13	4,423.45	1,076.55	80
001-438-232-000	Diesel Fuel	20,439.17	29,176.52	1,425.26	15,346.49	13,830.03	53
001-438-242-000	Road Signs	2,582.80	3,000.00	0.00	3,099.40	99.40 -	103
001-438-245-000	Road Supplies	31,303.89	56,500.00	4,400.00	19,324.31	37,175.69	34
001-438-313-000	Engineering	18,086.33	25,000.00	1,141.84	10,569.21	14,430.79	42
001-438-370-000	Road Program- Contractor	0.00	13,500.00	0.00	0.00	13,500.00	0
	438 ROADS & BRIDGES:	78,212.53	132,676.52	7,364.23	52,762.86	79,913.66	40
001-446-000-000	STORM WATER MANAGEMENT:	0.00	0.00	0.00	0.00	0.00	0
001-446-313-000	Stormwater Management- Engineering	5,882.91	37,000.00	0.00	11,463.25	25,536.75	31
001-452-000-000	PARTICIPANT RECREATION:	0.00	0.00	0.00	0.00	0.00	0

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<u>Expenditure Account</u>	<u>Description</u>	<u>Prior Yr Expd</u>	<u>Budgeted</u>	<u>Current Expd</u>	<u>YTD Expended</u>	<u>Unexpended</u>	<u>% Expd</u>
001-452-248-000	Camps & Sport Leagues	1,800.00	2,800.00	0.00	840.00	1,960.00	30
001-452-250-000	Community Day	0.00	13,000.00	856.06	7,035.06	5,964.94	54
001-452-520-000	Library	8,444.00	8,866.00	0.00	0.00	8,866.00	0
	452 PARTICIPANT RECREATION:	10,244.00	24,666.00	856.06	7,875.06	16,790.94	32
001-454-000-000	PARKS:	0.00	0.00	0.00	0.00	0.00	0
001-454-436-000	Heebner Park- Utilities	7,412.13	3,456.00	0.00	2,447.41	1,008.59	71
001-454-437-001	Heebner Park- Athletic Fields	6,375.93	15,800.00	0.00	4,191.23	11,608.77	27
001-454-437-002	Heebner Park- Expenses	6,444.85	8,000.00	1,120.69	4,357.28	3,642.72	54
001-454-438-001	Mount Kirk Park- Athletic Fields	638.00	3,700.00	0.00	566.00	3,134.00	15
001-454-438-002	Mount Kirk Park- Expenses	2,354.20	1,550.00	20.22	682.90	867.10	44
001-454-438-003	Mount Kirk Park- Utilities	1,930.73	1,050.00	0.00	1,903.97	853.97 -	181
001-454-439-001	Sunny Brook Park- Athletic Fields	1,379.02	4,700.00	0.00	1,565.71	3,134.29	33
001-454-439-002	Sunny Brook Park- Expenses	1,519.56	3,602.00	354.52	1,635.97	1,966.03	45
001-454-446-000	Sunny Brook Park- Utilities	1,543.20	1,860.00	37.04	1,116.79	743.21	60
001-454-470-000	Heyser Park- Horse Ring	0.00	500.00	575.00	575.00	75.00 -	115
001-454-471-000	Heyser Park- Expenses	65.29	350.00	0.00	0.00	350.00	0
001-454-480-000	Trail Expenses	4,380.71	2,850.00	0.00	673.29	2,176.71	24
001-454-490-000	Other Parks	2,191.29	9,320.00	199.69	1,941.26	7,378.74	21
	454 PARKS:	36,234.91	56,738.00	2,307.16	21,656.81	35,081.19	38
001-459-000-000	PUBLIC RELATIONS:	0.00	0.00	0.00	0.00	0.00	0
001-459-340-000	Public Relations- Community Newsletter	22,423.67	22,900.00	0.00	6,696.43	16,203.57	29
001-459-341-000	Public Relations- Other Communications	2,248.14	1,600.00	0.00	0.00	1,600.00	0
	459 PUBLIC RELATIONS:	24,671.81	24,500.00	0.00	6,696.43	17,803.57	27
001-481-000-000	EMPLOYER PAID BENEFITS AND WITHHOLDII	0.00	0.00	0.00	0.00	0.00	0
001-481-430-000	Inter Gov- Real Estate Taxes	0.00	0.00	0.00	6,703.20	6,703.20 -	0

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<u>Expenditure Account</u>	<u>Description</u>	<u>Prior Yr Expd</u>	<u>Budgeted</u>	<u>Current Expd</u>	<u>YTD Expended</u>	<u>Unexpended</u>	<u>% Expd</u>
001-486-000-000	INSURANCE:	0.00	0.00	0.00	0.00	0.00	0
001-486-350-000	Insurances	102,547.80	129,619.40	250.00	81,654.00	47,965.40	63
001-492-300-000	Transfer To Capital Fund	1,894,934.19	934,956.73	0.00	0.00	934,956.73	0
	Fund 001 Expenditure Totals	4,740,146.88	4,364,272.84	183,351.83	2,041,754.97	2,322,517.87	47

001 Fund	<u>Prior</u>	<u>Current</u>	<u>YTD</u>
Revenues:	5,170,257.54	714,587.40	2,737,012.42
Expenditures:	4,740,146.88	183,351.83	2,041,754.97
Net Income:	430,110.66	531,235.57	695,257.45

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<u>Revenue Account</u>	<u>Description</u>	<u>Prior Yr Rev</u>	<u>Anticipated</u>	<u>Curr Rev</u>	<u>YTD Rev</u>	<u>Excess/Deficit</u>	<u>% Real</u>
008-341-000-000	Interest Earnings	61,070.57	10,000.00	6,266.11	47,754.82	37,754.82	478
008-351-100-000	ARPA Funds	373,323.68	0.00	0.00	0.00	0.00	0
008-364-110-000	Tapping Fees	44,900.00	48,577.62	2,272.06	26,794.57	21,783.05 -	55
008-364-120-000	Sewer Fees- Residential	595,877.22	599,148.56	28,390.63	455,716.85	143,431.71 -	76
008-364-130-000	Sewer Fees- Commercial	164,923.22	145,000.00	25,058.02	114,521.08	30,478.92 -	79
008-364-140-000	Late Fees	9,775.43	7,500.00	1,122.79	7,117.20	382.80 -	95
008-364-150-000	Certification Fees	925.00	1,000.00	75.00	675.00	325.00 -	68
	364 Total	816,400.87	801,225.18	56,918.50	604,824.70	196,401.48 -	75
008-381-000-000	Miscellaneous Income	0.00	25.00	0.00	395,907.88	395,882.88	***
008-395-000-000	Refund of Prior Year Expenditures	61.89	0.00	0.00	0.00	0.00	0
	Fund 008 Revenue Totals	1,250,857.01	811,251.18	63,184.61	1,048,487.40	237,236.22	129

<u>Expenditure Account</u>	<u>Description</u>	<u>Prior Yr Expd</u>	<u>Budgeted</u>	<u>Current Expd</u>	<u>YTD Expended</u>	<u>Unexpended</u>	<u>% Expd</u>
008-429-000-000	WASTWATER COLLECTION AND TREATMENT	0.00	0.00	0.00	0.00	0.00	0
008-429-242-000	Alarm Services	551.88	1,232.00	0.00	601.55	630.45	49
008-429-300-000	Other Expenses	195,942.71	197,520.00	15,570.57	158,330.14	39,189.86	80
008-429-313-000	Engineering	3,034.75	12,500.00	0.00	4,931.00	7,569.00	39
008-429-314-000	Legal	7,525.53	10,000.00	525.00	3,408.88	6,591.12	34
008-429-316-000	Plant Operations	87,422.75	89,434.80	7,315.00	52,637.50	36,797.30	59
008-429-321-000	Telephone	983.60	1,080.00	41.54	686.66	393.34	64
008-429-361-000	Utilities	159,850.04	138,288.00	9,602.02	73,701.64	64,586.36	53
008-429-374-000	Equipment & Repairs	13,838.46	27,852.00	4,000.12	24,900.67	2,951.33	89
008-429-421-001	Center Point- Operations	5,910.00	6,388.20	492.50	3,447.50	2,940.70	54
008-429-421-002	Center Point- Utilities & Repairs	7,623.97	7,272.00	376.63	3,242.75	4,029.25	45
008-429-422-001	Meadowood- Operations	6,605.25	6,388.20	492.50	3,447.50	2,940.70	54
008-429-422-002	Meadowood- Utilities & Repairs	4,192.31	6,660.00	309.32	2,274.85	4,385.15	34
008-429-423-001	Heritage Village- Operations	5,910.00	6,388.20	492.50	3,447.50	2,940.70	54

TOWNSHIP OF WORCESTER
Statement of Revenue and Expenditures

<u>Expenditure Account</u>	<u>Description</u>	<u>Prior Yr Expd</u>	<u>Budgeted</u>	<u>Current Expd</u>	<u>YTD Expended</u>	<u>Unexpended</u>	<u>% Expd</u>
008-429-423-002	Heritage Village- Utilities & Repairs	4,042.12	6,648.00	119.06	2,317.35	4,330.65	35
008-429-424-001	Fawn Creek- Operations	6,013.00	6,388.20	492.50	4,392.50	1,995.70	69
008-429-424-002	Fawn Creek- Utilities & Repairs	3,750.21	5,652.00	190.88	2,309.34	3,342.66	41
008-429-425-001	Chadwick Place- Operations	5,910.00	6,388.20	492.50	3,447.50	2,940.70	54
008-429-425-002	Chadwick Place- Utilities & Repairs	3,119.42	5,520.00	0.00	2,038.14	3,481.86	37
008-429-426-001	Adair Pump- Operations	5,910.00	6,388.20	492.50	3,447.50	2,940.70	54
008-429-426-002	Adair Pump- Utilities & Repairs	3,314.63	4,680.00	264.16	2,110.88	2,569.12	45
008-429-700-000	Capital Improvements	491,263.87	67,800.00	1,789.81	60,749.60	7,050.40	90
008-429-800-000	Depreciation	319,169.00	0.00	0.00	0.00	0.00	0
	429 WASTWATER COLLECTION AND TREATM	1,341,883.50	620,468.00	43,059.11	415,870.95	204,597.05	67
008-471-000-000	DEBT PRINCIPAL:	0.00	0.00	0.00	0.00	0.00	0
008-471-200-000	General Obligation Bond- Principal	0.00	130,000.00	0.00	0.00	130,000.00	0
008-472-000-000	DEBT INTEREST:	0.00	0.00	0.00	0.00	0.00	0
008-472-200-000	General Obligation Bond- Interest	38,376.26	41,431.26	0.00	18,278.13	23,153.13	44
008-475-000-000	Fiscal Agent Fees- 2016 Bond	1,050.00	1,100.00	0.00	1,050.00	50.00	95
008-486-000-000	INSURANCE:	0.00	0.00	0.00	0.00	0.00	0
008-486-350-000	Insurance Expense	5,001.20	6,689.50	0.00	6,689.50	0.00	100
	Fund 008 Expenditure Totals	1,386,310.96	799,688.76	43,059.11	441,888.58	357,800.18	55

008 Fund	Prior	Current	YTD
Revenues:	1,250,857.01	63,184.61	1,048,487.40
Expenditures:	1,386,310.96	43,059.11	441,888.58
Net Income:	135,453.95 -	20,125.50	606,598.82

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<u>Revenue Account</u>	<u>Description</u>	<u>Prior Yr Rev</u>	<u>Anticipated</u>	<u>Curr Rev</u>	<u>YTD Rev</u>	<u>Excess/Deficit</u>	<u>% Real</u>
030-341-000-000	Interest Earnings	820,334.39	960,000.00	76,349.14	608,080.23	351,919.77 -	63
030-354-351-000	Grants	802,455.00	382,000.00	0.00	0.00	382,000.00 -	0
030-363-100-000	Traffic Impact Fees	7,954.00	14,204.00	16,968.34	57,235.51	43,031.51	403
030-381-000-000	Miscellaneous Income	49,120.00	2,000.00	0.00	2,000.00	0.00	100
030-392-010-000	Transfer From General Fund	1,894,934.19	934,956.73	0.00	0.00	934,956.73 -	0
030-395-000-000	Refund of Prior Year Expenditures	600.00	0.00	0.00	8,100.00	8,100.00	0
	Fund 030 Revenue Totals	3,575,397.58	2,293,160.73	93,317.48	675,415.74	1,617,744.99 -	29
<u>Expenditure Account</u>	<u>Description</u>	<u>Prior Yr Expd</u>	<u>Budgeted</u>	<u>Current Expd</u>	<u>YTD Expended</u>	<u>Unexpended</u>	<u>% Expd</u>
030-405-000-000	SECRETARY/CLERK:	0.00	0.00	0.00	0.00	0.00	0
030-405-720-000	Office Equipment	3,229.05	32,000.00	1,381.78	3,561.28	28,438.72	11
030-409-000-000	GOVERNMENT BUILDINGS & PLANTS:	0.00	0.00	0.00	0.00	0.00	0
030-409-600-000	Building Improvements	29,410.42	38,300.00	282.95	2,425.50	35,874.50	6
030-430-600-000	Capital Roads	1,313,895.82	1,398,018.00	8,572.00	440,848.33	957,169.67	32
030-430-740-000	Equipment Purchases	111,997.24	514,710.62	0.00	115,771.00	398,939.62	22
	430 Total	1,425,893.06	1,912,728.62	8,572.00	556,619.33	1,356,109.29	29
030-433-600-000	Traffic Signs & Signals	0.00	15,300.00	12,228.00	12,228.00	3,072.00	80
030-454-600-000	Parks and Trails	214,565.24	674,800.00	39,894.28	166,989.74	507,810.26	25
030-454-710-000	Land Acquisition	800,441.06	31,000.00	0.00	3,371.79	27,628.21	11
	454 Total	1,015,006.30	705,800.00	39,894.28	170,361.53	535,438.47	24
030-471-201-000	Bond principal	27,000.00	0.00	0.00	0.00	0.00	0
030-472-200-000	Loan Interest	82,881.56	0.00	0.00	50,116.06	50,116.06 -	0
030-492-010-000	Transfer to General Fund	0.00	0.00	0.00	350,000.00	350,000.00 -	0
030-492-080-000	Transfer to Sewer Fund	25,357.71	0.00	0.00	0.00	0.00	0
	492 Total	25,357.71	0.00	0.00	350,000.00	350,000.00 -	0

TOWNSHIP OF WORCESTER
Statement of Revenue and Expenditures

<u>Expenditure Account</u>	<u>Description</u>	<u>Prior Yr Expd</u>	<u>Budgeted</u>	<u>Current Expd</u>	<u>YTD Expended</u>	<u>Unexpended</u>	<u>% Expd</u>
	Fund 030 Expenditure Totals	2,608,778.10	2,704,128.62	62,359.01	1,145,311.70	1,558,816.92	42

030 Fund	Prior	Current	YTD
Revenues:	3,575,397.58	93,317.48	675,415.74
Expenditures:	2,608,778.10	62,359.01	1,145,311.70
Net Income:	966,619.48	30,958.47	469,895.96 -

TOWNSHIP OF WORCESTER
Statement of Revenue and Expenditures

<u>Revenue Account</u>	<u>Description</u>	<u>Prior Yr Rev</u>	<u>Anticipated</u>	<u>Curr Rev</u>	<u>YTD Rev</u>	<u>Excess/Deficit</u>	<u>% Real</u>
035-341-000-000	Interest Earnings	14,282.34	5,000.00	1,922.19	11,779.04	6,779.04	236
035-355-020-000	Liquid Fuel Funds	364,920.35	359,353.93	0.00	357,387.92	1,966.01	99
	Fund 035 Revenue Totals	379,202.69	364,353.93	1,922.19	369,166.96	4,813.03	101

<u>Expenditure Account</u>	<u>Description</u>	<u>Prior Yr Expd</u>	<u>Budgeted</u>	<u>Current Expd</u>	<u>YTD Expended</u>	<u>Unexpended</u>	<u>% Expd</u>
035-438-000-000	ROADS & BRIDGES:	0.00	0.00	0.00	0.00	0.00	0
035-438-370-000	Road Maintenance Contractor	347,000.00	350,000.00	0.00	0.00	350,000.00	0
	Fund 035 Expenditure Totals	347,000.00	350,000.00	0.00	0.00	350,000.00	0

035 Fund	Prior	Current	YTD
Revenues:	379,202.69	1,922.19	369,166.96
Expenditures:	347,000.00	0.00	0.00
Net Income:	32,202.69	1,922.19	369,166.96

TOWNSHIP OF WORCESTER
Statement of Revenue and Expenditures

<u>Revenue Account</u>	<u>Description</u>	<u>Prior Yr Rev</u>	<u>Anticipated</u>	<u>Curr Rev</u>	<u>YTD Rev</u>	<u>Excess/Deficit</u>	<u>% Real</u>
040-341-200-000	Interest Earnings Developers	1,237.32	0.00	116.32	907.05	907.05	0
	Fund 040 Revenue Totals	1,237.32	0.00	116.32	907.05	907.05	0

<u>040 Fund</u>	<u>Prior</u>	<u>Current</u>	<u>YTD</u>
Revenues:	1,237.32	116.32	907.05
Expenditures:	0.00	0.00	0.00
Net Income:	1,237.32	116.32	907.05

<u>Grand Totals</u>	<u>Prior</u>	<u>Current</u>	<u>YTD</u>
Revenues:	10,376,952.14	873,128.00	4,830,989.57
Expenditures:	9,082,235.94	288,769.95	3,628,955.25
Net Income:	1,294,716.20	584,358.05	1,202,034.32

Worcester Volunteer Fire Department

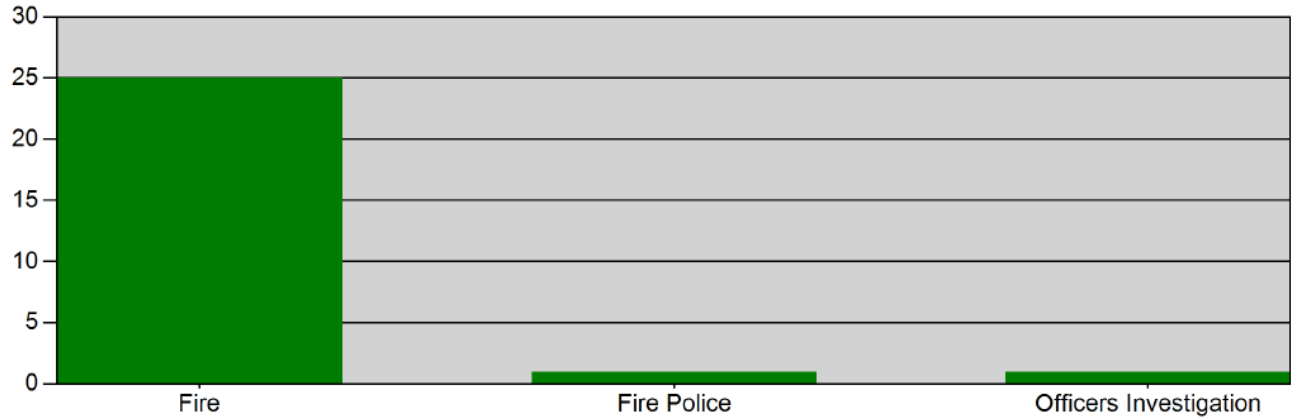
Worcester, PA

This report was generated on 9/8/2024 8:27:09 PM



Incidents by Shift for Date Range

Start Date: 08/01/2024 | End Date: 08/31/2024



SHIFT	# INCIDENTS
Fire	25
Fire Police	1
Officers Investigation	1
TOTAL:	27

Fire Call Average Attendance: 16.9

FP Call Average Attendance: 6

Drill Average Attendance: 34.5

Daytime Calls Twp Employees Assisted On: 7

Call Man Hours: 186.13

Drill Man Hours: 332:00

Events: 4

Total Elapsed Time on Calls: 14:47:29

Worcester Volunteer Fire Department

Worcester, PA

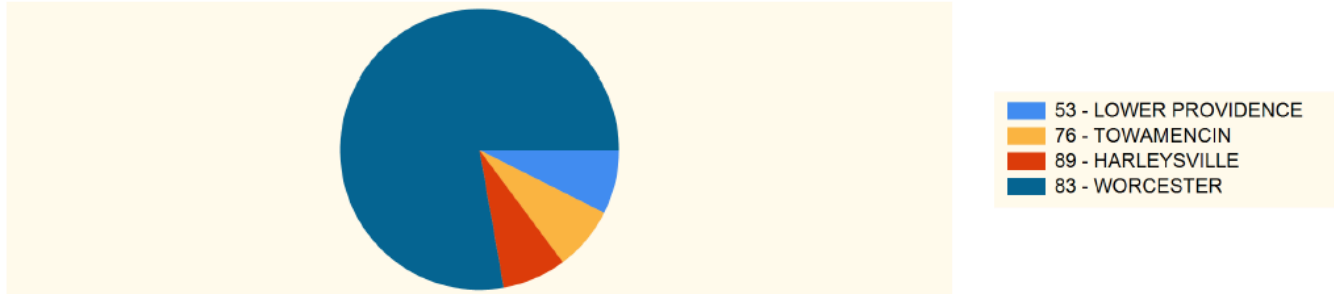
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Count of Incidents by Incident Type per Zone

Incident Status: Reviewed | Start Date: 08/01/2024 | End Date: 08/31/2024

% of Incidents per Zone



INCIDENT TYPE	# INCIDENTS	% of TOTAL
53 - LOWER PROVIDENCE		
111 - Building fire	1	3.70%
611 - Dispatched & cancelled en route	1	3.70%
Zone: 53 - LOWER PROVIDENCE Total Incident:	2	7.41%
76 - TOWAMENCIN		
111 - Building fire	1	3.70%
412 - Gas leak (natural gas or LPG)	1	3.70%
Zone: 76 - TOWAMENCIN Total Incident:	2	7.41%
83 - WORCESTER		
311 - Medical assist, assist EMS crew	2	7.41%
322 - Motor vehicle accident with injuries	2	7.41%
424 - Carbon monoxide incident	2	7.41%
542 - Animal rescue	1	3.70%
671 - HazMat release investigation w/no HazMat	1	3.70%
733 - Smoke detector activation due to malfunction	1	3.70%
736 - CO detector activation due to malfunction	1	3.70%
745 - Alarm system activation, no fire - unintentional	10	37.04%
746 - Carbon monoxide detector activation, no CO	1	3.70%
Zone: 83 - WORCESTER Total Incident:	21	77.78%
89 - HARLEYSVILLE		
111 - Building fire	1	3.70%
745 - Alarm system activation, no fire - unintentional	1	3.70%
Zone: 89 - HARLEYSVILLE Total Incident:	2	7.41%
TOTAL INCIDENTS FOR ALL ZONES:	27	100%

Report shows count of incidents for Status selected.





PENNSYLVANIA STATE POLICE

CAD Call Print Synopsis

Number of Records Returned: 186

Search Criteria: which_cad='P' and occ_date between '2024-08-01' and '2024-08-31' and municipality='46226' and jurisdiction='PA'

Call #	Report #	Call Date	Time	Initial Call Type	Final Call Type	Location	Founded	Cleared By
PA 2024-998155	2024-998155	Aug-01-2024	12:19:02	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	276 I476 S, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-998229	2024-998229	Aug-01-2024	12:36:05	ALARMP(ALARM - PANIC)	ALRMF (ALARM FALSE FAULT CC)	2120 BUSTARD RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-998626	2024-998626	Aug-01-2024	14:29:37	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	MORRIS RD / BETHEL RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-999266	2024-999266	Aug-01-2024	17:07:45	DSCHK (DOMESTIC SECURITY CHECK CC)	DSCHK (DOMESTIC SECURITY CHECK CC)	VALLEY FORGE RD / HICKORY HILL RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-999528	2024-999528	Aug-01-2024	18:07:35	INFORM(POLICE INFORMATION CC)	INFORM(POLICE INFORMATION CC)	1721 VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1003640	2024-1003640	Aug-02-2024	19:32:47	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	266 I476 S, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1003696	2024-1003696	Aug-02-2024	19:59:33	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	265 I476 S, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1004697	2024-1004697	Aug-03-2024	03:16:28	ALARMB(ALARM - BURGLAR)	ALRMF (ALARM FALSE FAULT CC)	2960 SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1005632	2024-1005632	Aug-03-2024	11:14:22	THEFTF(THEFT - FRAUD/FORGERY)	IDTHFT(IDENTITY THEFT)	3048 CONRAD WAY, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1005657	2024-1005657	Aug-03-2024	11:25:11	TRERDR(TRAFFIC VIOLATION/ERRATIC DRIVER CC)	TRERDR(TRAFFIC VIOLATION/ERRATIC DRIVER CC)	SKIPPACK PIKE / HOLLOW RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1006079	2024-1006079	Aug-03-2024	13:28:09	PATCHK(PATROL CHECK CC)	PATCHK(PATROL CHECK CC)	N GRANGE AVE / MILL RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1007789	2024-1007789	Aug-03-2024	23:30:05	SEEOF(SEE OFFICER GO)	SEEOF(SEE OFFICER GO)	2652 BEYER LN, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1009302	2024-1009302	Aug-04-2024	11:59:59	DISM (DISABLED MOTORIST CC)	DISM (DISABLED MOTORIST CC)	260 I476 N, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1009996	2024-1009996	Aug-04-2024	15:45:35	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	263 I476 N, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1011368	2024-1011368	Aug-05-2024	03:38:15	ALARMB(ALARM - BURGLAR)	ALRMF (ALARM FALSE FAULT CC)	2115 WEBER RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1013708	2024-1013708	Aug-05-2024	16:00:42	RAPDGO(REQUEST ASSIST - LOCAL PD GO)	RAPDGO(REQUEST ASSIST - LOCAL PD GO)	1545 N TROOPER RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE



PENNSYLVANIA STATE POLICE

CAD Call Print Synopsis

Call #	Report #	Call Date	Time	Initial Call Type	Final Call Type	Location	Founded	Cleared By
PA 2024-1013763	2024-1013763	Aug-05-2024	16:07:16	WELCK (WELFARE CHECK GO)	SEEOF(SEE OFFICER GO)	TRL 4 - 3 W ADAIR DR, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1014319	2024-1014319	Aug-05-2024	18:49:00	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	600 BLK N WALES RD[N WALES RD, WORCESTER TWP (MONTGOMERY)	Yes	WARNING (TRAFFIC STOP)
PA 2024-1014780	2024-1014780	Aug-05-2024	21:56:10	RAOGO (REQUEST ASSIST - OTHER AGENCY GO)	RAOGO (REQUEST ASSIST - OTHER AGENCY GO)	1805 MAPLE CIR, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1015064	2024-1015064	Aug-06-2024	00:29:31	RAOGO (REQUEST ASSIST - OTHER AGENCY GO)	WELCK (WELFARE CHECK GO)	1805 MAPLE CIR, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1015264	2024-1015264	Aug-06-2024	04:48:59	WELCK (WELFARE CHECK GO)	TRES (TRESPASSING)	MORRIS RD / BETHEL DR, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1015400	2024-1015400	Aug-06-2024	06:18:41	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	265 I476 N, WORCESTER TWP (MONTGOMERY)	Yes	WARNING (TRAFFIC STOP)
PA 2024-1015814	2024-1015814	Aug-06-2024	07:47:23	SEEOF(SEE OFFICER GO)	SUSPP (SUSPICIOUS PERSON GO)	3044 W GERMANTOWN PIKE, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1017127	2024-1017127	Aug-06-2024	13:29:31	ALARMB(ALARM - BURGLAR)	ALRMNF(ALARM FALSE NO FAULT CC)	2535 STONY CREEK RD [SUNNYBROOK DEV, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1019443	2024-1019443	Aug-07-2024	06:38:41	MISSP (MISSING PERSON)	ATL (ATTEMPT LOCATE PERSON - VEHICLE GO)	100 WHEATSHEAF LN, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1019644	2024-1019644	Aug-07-2024	07:15:35	WELCK (WELFARE CHECK GO)	PATCHK(PATROL CHECK CC)	1171 N TROOPER RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1022034	2024-1022034	Aug-07-2024	15:24:23	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	263 I476 N, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1022073	2024-1022073	Aug-07-2024	15:35:29	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	272 I476 N, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1023161	2024-1023161	Aug-07-2024	19:34:46	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	267 I476 N, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1023245	2024-1023245	Aug-07-2024	19:51:40	302 (MENTAL HEALTH ACT GO)	302 (MENTAL HEALTH ACT GO)	100 WHEATSHEAF LN, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1023400	2024-1023400	Aug-07-2024	20:46:58	ISTAT (INTERSTATE HIGHWAY - STATIONARY PATROL CC)	ISTAT (INTERSTATE HIGHWAY - STATIONARY PATROL CC)	270 I476 S, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL



PENNSYLVANIA STATE POLICE

CAD Call Print Synopsis

Call #	Report #	Call Date	Time	Initial Call Type	Final Call Type	Location	Founded	Cleared By
PA 2024-1024038	2024-1024038	Aug-08-2024	04:51:53	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	2972 TOWNSHIP LINE RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1024141	2024-1024141	Aug-08-2024	06:14:25	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	270 1476 S, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1025565	2024-1025565	Aug-08-2024	12:32:33	SEEOF(SEE OFFICER GO)	DIST (DISTURBANCE/NOISE COMPLAINT GO)	3205 SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1027342	2024-1027342	Aug-08-2024	23:07:00	MVCUNK(MVC - UNKNOWN INJURIES)	DISMT (DISABLED MOTORIST ON ROAD CC)	2913 SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1027347	2024-1027347	Aug-08-2024	23:11:49	ALARMB(ALARM - BURGLAR)	ALRMF (ALARM FALSE FAULT CC)	1005 KRIEBEL MILL RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1027522	2024-1027522	Aug-09-2024	01:17:32	BURG (BURGLARY OR ATTEMPTED BURGLARY)	DIST (DISTURBANCE/NOISE COMPLAINT GO)	2221 WEBER RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1029019	2024-1029019	Aug-09-2024	11:44:29	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	REFER (REFER TO OTHER AGENCY - PD R)	TOWNSHIP LINE RD / N WHITEHALL RD, WORCESTER TWP (MONTGOMERY)	Yes	REFER
PA 2024-1029337	2024-1029337	Aug-09-2024	13:16:01	THEFTF(THEFT - FRAUD/FORGERY)	IDTHFT(IDENTITY THEFT)	C - 2750 MORRIS RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1030193	2024-1030193	Aug-09-2024	16:45:44	SEEOF(SEE OFFICER GO)	SEEOF(SEE OFFICER GO)	2026 HOLLIS RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1031122	2024-1031122	Aug-09-2024	21:41:55	ALARMB(ALARM - BURGLAR)	CANCEL(CANCELLED BY COMPLAINANT X)	2110 DEEP MEADOW LN, WORCESTER TWP (MONTGOMERY)	Yes	CANCELLED
PA 2024-1034199	2024-1034199	Aug-10-2024	18:30:24	ISTAT (INTERSTATE HIGHWAY - STATIONARY PATROL CC)	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	271 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1034268	2024-1034268	Aug-10-2024	18:47:37	DIST (DISTURBANCE/NOISE COMPLAINT GO)	DIST (DISTURBANCE/NOISE COMPLAINT GO)	2531 LONG MEADOW RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1034323	2024-1034323	Aug-10-2024	19:02:53	MVCNR (MVC - NON-REPORTABLE)	MVCNR (MVC - NON-REPORTABLE)	W GERMANTOWN PIKE / N PARK AVE, WORCESTER TWP (MONTGOMERY)	Yes	TRACS CRASH REPORT
PA 2024-1034744	2024-1034744	Aug-10-2024	21:30:02	THEFT (THEFT)	SEEOF(SEE OFFICER GO)	3058 SUNNY AYRE DR, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1036055	2024-1036055	Aug-11-2024	08:47:47	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	260 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1037234	2024-1037234	Aug-11-2024	15:53:35	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	REFER (REFER TO OTHER AGENCY - PD R)	2222 S VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	REFER



PENNSYLVANIA STATE POLICE

CAD Call Print Synopsis

Call #	Report #	Call Date	Time	Initial Call Type	Final Call Type	Location	Founded	Cleared By
PA 2024-1037880	2024-1037880	Aug-11-2024	19:47:16	ALARMB(ALARM - BURGLAR)	ALRMNF(ALARM FALSE NO FAULT CC)	214 OLD FARM LN, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1038023	2024-1038023	Aug-11-2024	20:41:15	MVCRNI(MVC - REPORTABLE, NO INJURIES)	MVCRNI(MVC - REPORTABLE, NO INJURIES)	260 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	TRACS CRASH REPORT
PA 2024-1038877	2024-1038877	Aug-12-2024	06:20:31	ISTAT (INTERSTATE HIGHWAY - STATIONARY PATROL CC)	ISTAT (INTERSTATE HIGHWAY - STATIONARY PATROL CC)	271 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1040228	2024-1040228	Aug-12-2024	11:47:47	PATCHK(PATROL CHECK CC)	PATCHK(PATROL CHECK CC)	1900 BLOCK VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1040414	2024-1040414	Aug-12-2024	12:31:31	DOAU (DEATH - UNKNOWN)	DOAN (DEATH - NATURAL)	1314 KRIEBEL MILL RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1041193	2024-1041193	Aug-12-2024	15:55:28	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	257 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1043357	2024-1043357	Aug-13-2024	07:27:25	MOTCAS(MOTOR CARRIER SAFETY CC)	MOTCAS(MOTOR CARRIER SAFETY CC)	3000 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1043495	2024-1043495	Aug-13-2024	07:52:39	MOTCAS(MOTOR CARRIER SAFETY CC)	MOTCAS(MOTOR CARRIER SAFETY CC)	SKIPPACK PIKE / S VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1043626	2024-1043626	Aug-13-2024	08:18:38	MOTCAS(MOTOR CARRIER SAFETY CC)	MOTCAS(MOTOR CARRIER SAFETY CC)	SKIPPACK PIKE / S VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	WARNING (TRAFFIC STOP)
PA 2024-1043673	2024-1043673	Aug-13-2024	08:28:55	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	1700 BLOCK VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1043718	2024-1043718	Aug-13-2024	08:39:43	MOTCAS(MOTOR CARRIER SAFETY CC)	MOTCAS(MOTOR CARRIER SAFETY CC)	S VALLEY FORGE RD / SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	WARNING (TRAFFIC STOP)
PA 2024-1043775	2024-1043775	Aug-13-2024	08:48:06	SUAT (SUICIDE - ATTEMPT OR THREAT)	302 (MENTAL HEALTH ACT GO)	112 MEADOW VIEW LN, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1044146	2024-1044146	Aug-13-2024	10:12:27	MOTCAS(MOTOR CARRIER SAFETY CC)	MOTCAS(MOTOR CARRIER SAFETY CC)	SKIPPACK PIKE / CENTER POINT LN, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1044238	2024-1044238	Aug-13-2024	10:31:12	MOTCAS(MOTOR CARRIER SAFETY CC)	MOTCAS(MOTOR CARRIER SAFETY CC)	VALLEY FORGE RD / S VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1044705	2024-1044705	Aug-13-2024	12:00:18	WELCK (WELFARE CHECK GO)	THRET (THREATS - ACTOR NOT ON SCENE)	3036 W GERMANTOWN PIKE, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1045090	2024-1045090	Aug-13-2024	13:33:57	MOTCAS(MOTOR CARRIER SAFETY CC)	MOTCAS(MOTOR CARRIER SAFETY CC)	1600 BLOCK VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION



PENNSYLVANIA STATE POLICE

CAD Call Print Synopsis

Call #	Report #	Call Date	Time	Initial Call Type	Final Call Type	Location	Founded	Cleared By
PA 2024-1047389	2024-1047389	Aug-14-2024	02:55:57	ALARMB(ALARM - BURGLAR)	ALRMF (ALARM FALSE FAULT CC)	1005 KRIEBEL MILL RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1048536	2024-1048536	Aug-14-2024	09:45:52	ALARMB(ALARM - BURGLAR)	ALRMF (ALARM FALSE FAULT CC)	2815 CURTIS LN, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1048813	2024-1048813	Aug-14-2024	10:38:26	ALARMB(ALARM - BURGLAR)	CANCEL(CANCELLED BY COMPLAINANT X)	2242 MANN RD, WORCESTER TWP (MONTGOMERY)	Yes	CANCELLED
PA 2024-1048896	2024-1048896	Aug-14-2024	10:52:10	ALARMB(ALARM - BURGLAR)	ALRMF (ALARM FALSE FAULT CC)	3219 FAWN RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1048918	2024-1048918	Aug-14-2024	10:57:39	MVCI (MVC - INJURIES)	MVCCD (MVC - DUI - DRUGS)	266 1476 S, WORCESTER TWP (MONTGOMERY)	Yes	TRACS CRASH REPORT
PA 2024-1049084	2024-1049084	Aug-14-2024	11:36:20	LOST (LOST ITEM - NON NCIC CC)	LOST (LOST ITEM - NON NCIC CC)	1103 WANDA LN, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1049093	2024-1049093	Aug-14-2024	11:39:08	ALARMB(ALARM - BURGLAR)	CANCEL(CANCELLED BY COMPLAINANT X)	1360 N TROOPER RD, WORCESTER TWP (MONTGOMERY)	Yes	CANCELLED
PA 2024-1050545	2024-1050545	Aug-14-2024	17:22:35	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	TOWNSHIP LINE RD / VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1051336	2024-1051336	Aug-14-2024	21:02:45	MOTCAS(MOTOR CARRIER SAFETY CC)	MOTCAS(MOTOR CARRIER SAFETY CC)	269 1476 S, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1051916	2024-1051916	Aug-15-2024	01:31:59	DOMA (DOMESTIC - IN PROGRESS)	DRUGP (DRUG - POSSESSION)	2968 HORSESHOE DR, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1051983	2024-1051983	Aug-15-2024	02:32:33	REPO (VEHICLE REPOSSESSION CC)	REPO (VEHICLE REPOSSESSION CC)	2937 CLYSTON RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1052588	2024-1052588	Aug-15-2024	08:09:40	DSCHK (DOMESTIC SECURITY CHECK CC)	DSCHK (DOMESTIC SECURITY CHECK CC)	VALLEY FORGE RD / HICKORY HILL RD [HEEBNER PARK, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1054294	2024-1054294	Aug-15-2024	15:56:21	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	254 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1054362	2024-1054362	Aug-15-2024	16:09:01	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	256 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1054606	2024-1054606	Aug-15-2024	17:22:43	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	266 1476 S, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1056191	2024-1056191	Aug-16-2024	06:46:14	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	271 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL



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PA 2024-1057208	2024-1057208	Aug-16-2024	11:40:49	SEEOF(SEE OFFICER GO)	REFER (REFER TO OTHER AGENCY - PD R)	3425 SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	REFER
PA 2024-1058717	2024-1058717	Aug-16-2024	18:23:44	SEEOF(SEE OFFICER GO)	CANCEL(CANCELLED BY COMPLAINANT X)	3008 W GERMANTOWN PIKE [CAPTAIN CARWASH, WORCESTER TWP (MONTGOMERY)	Yes	CANCELLED
PA 2024-1059652	2024-1059652	Aug-16-2024	23:55:19	ALARMB(ALARM - BURGLAR)	ALRMF (ALARM FALSE FAULT CC)	1005 KRIEBEL MILL RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1059978	2024-1059978	Aug-17-2024	02:04:32	TS (TRAFFIC STOP CC)	TRADUI(TRAF VIOL-DUI ALCOHOL)	2000 BLOCK BUSTARD RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1061121	2024-1061121	Aug-17-2024	11:32:45	MVCUNK(MVC - UNKNOWN INJURIES)	MVCNR (MVC - NON-REPORTABLE)	VALLEY FORGE RD / WOODLYN AVE, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1061244	2024-1061244	Aug-17-2024	12:16:26	THEFTF(THEFT - FRAUD/FORGERY)	IDTHFT(IDENTITY THEFT)	1030 ANVIL DR, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1061590	2024-1061590	Aug-17-2024	14:22:53	DIST (DISTURBANCE/NOISE COMPLAINT GO)	DIST (DISTURBANCE/NOISE COMPLAINT GO)	3205 SKIPPACK PIKE [MEADOW WOODS, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1061865	2024-1061865	Aug-17-2024	15:51:58	RAOGO (REQUEST ASSIST - OTHER AGENCY GO)	RAOGO (REQUEST ASSIST - OTHER AGENCY GO)	3121 WATER STREET RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1062469	2024-1062469	Aug-17-2024	19:42:40	DISM (DISABLED MOTORIST CC)	DISM (DISABLED MOTORIST CC)	273 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1063669	2024-1063669	Aug-18-2024	06:50:26	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	STUMP HALL RD / VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1063854	2024-1063854	Aug-18-2024	07:34:15	ISTAT (INTERSTATE HIGHWAY - STATIONARY PATROL CC)	ISTAT (INTERSTATE HIGHWAY - STATIONARY PATROL CC)	271 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1064491	2024-1064491	Aug-18-2024	12:19:31	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	TOWNSHIP LINE RD / VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1065268	2024-1065268	Aug-18-2024	16:40:28	DIST (DISTURBANCE/NOISE COMPLAINT GO)	DIST (DISTURBANCE/NOISE COMPLAINT GO)	3115 HEEBNER RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1066079	2024-1066079	Aug-18-2024	21:33:18	DOMA (DOMESTIC - IN PROGRESS)	BURG (BURGLARY OR ATTEMPTED BURGLARY)	1730 VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1067182	2024-1067182	Aug-19-2024	08:16:59	PATCHK(PATROL CHECK CC)	PATCHK(PATROL CHECK CC)	2600 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL



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PA 2024-1069730	2024-1069730	Aug-19-2024	19:07:29	WELCK (WELFARE CHECK GO)	WELCK (WELFARE CHECK GO)	1952 HUNT VALLEY RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1070323	2024-1070323	Aug-19-2024	23:46:46	WELCK (WELFARE CHECK GO)	WELCK (WELFARE CHECK GO)	3279 WATER STREET RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1071420	2024-1071420	Aug-20-2024	08:52:05	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2600 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	WARNING (TRAFFIC STOP)
PA 2024-1071631	2024-1071631	Aug-20-2024	09:30:25	WARMF (WARRANT - MISDEMEANOR/FELONY GO)	WARMF (WARRANT - MISDEMEANOR/FELONY GO)	3890 SKIPPACK PK[VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1072762	2024-1072762	Aug-20-2024	13:06:28	MVCNR (MVC - NON-REPORTABLE)	MVCP (MVC - PRIVATE PROPERTY GO)	3205 SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1074603	2024-1074603	Aug-20-2024	20:34:18	PATCHK(PATROL CHECK CC)	PATCHK(PATROL CHECK CC)	1005 KRIEBEL MILL RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1074791	2024-1074791	Aug-20-2024	21:43:47	ALARMB(ALARM - BURGLAR)	CANCEL(CANCELLED BY COMPLAINANT X)	2115 WEBER RD, WORCESTER TWP (MONTGOMERY)	Yes	CANCELLED
PA 2024-1078491	2024-1078491	Aug-21-2024	16:42:15	MVCNR (MVC - NON-REPORTABLE)	MVCNR (MVC - NON-REPORTABLE)	2969 W GERMANTOWN PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRACS CRASH REPORT
PA 2024-1079689	2024-1079689	Aug-21-2024	21:35:46	ALARMB(ALARM - BURGLAR)	CANCEL(CANCELLED BY COMPLAINANT X)	2854 CONESTOGA LN, WORCESTER TWP (MONTGOMERY)	Yes	CANCELLED
PA 2024-1079769	2024-1079769	Aug-21-2024	22:03:43	BURG (BURGLARY OR ATTEMPTED BURGLARY)	DIST (DISTURBANCE/NOISE COMPLAINT GO)	2966 ARTMAR RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1079942	2024-1079942	Aug-21-2024	23:22:36	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	268 I476 N, WORCESTER TWP (MONTGOMERY)	Yes	WARNING (TRAFFIC STOP)
PA 2024-1081195	2024-1081195	Aug-22-2024	08:40:45	ALARMP(ALARM - PANIC)	ALRMF (ALARM FALSE FAULT CC)	1401 REINER RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1081261	2024-1081261	Aug-22-2024	08:55:18	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	N WALES RD / CRESTLINE DR [100 YDS FROM SKIPPACK PK, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1081648	2024-1081648	Aug-22-2024	10:27:59	PATCHK(PATROL CHECK CC)	PATCHK(PATROL CHECK CC)	1500 BLOCK N TROOPER RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1082675	2024-1082675	Aug-22-2024	14:44:21	ALARMB(ALARM - BURGLAR)	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	SKIPPACK PIKE / N WALES RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1083018	2024-1083018	Aug-22-2024	15:50:39	PATCHK(PATROL CHECK CC)	PATCHK(PATROL CHECK CC)	LAT: 40° 12' 02.52"N LONG: 075° 20' 48.95"W[VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL



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PA 2024-1083102	2024-1083102	Aug-22-2024	16:03:23	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2900 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1083188	2024-1083188	Aug-22-2024	16:21:49	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2900 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1083362	2024-1083362	Aug-22-2024	16:57:44	TS (TRAFFIC STOP CC)	MOTCAS(MOTOR CARRIER SAFETY CC)	3000 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1084179	2024-1084179	Aug-22-2024	20:39:14	PATCHK(PATROL CHECK CC)	PATCHK(PATROL CHECK CC)	MILL RD / KRIEBEL MILL RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1086658	2024-1086658	Aug-23-2024	12:08:53	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	1900 BLOCK VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	WARNING (TRAFFIC STOP)
PA 2024-1091223	2024-1091223	Aug-24-2024	12:01:24	MVCUNK(MVC - UNKNOWN INJURIES)	MVCRNI(MVC - REPORTABLE, NO INJURIES)	2858 MORRIS RD, WORCESTER TWP (MONTGOMERY)	Yes	TRACS CRASH REPORT
PA 2024-1093383	2024-1093383	Aug-24-2024	23:10:49	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	269 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1093469	2024-1093469	Aug-24-2024	23:43:44	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	276 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1094106	2024-1094106	Aug-25-2024	06:14:05	ALARMB(ALARM - BURGLAR)	CANCEL(CANCELLED BY COMPLAINANT X)	1005 KRIEBEL MILL RD, WORCESTER TWP (MONTGOMERY)	Yes	CANCELLED
PA 2024-1095423	2024-1095423	Aug-25-2024	13:43:57	DIST (DISTURBANCE/NOISE COMPLAINT GO)	MISSP (MISSING PERSON)	3022 MILL RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1098607	2024-1098607	Aug-26-2024	08:37:05	MOTCAS(MOTOR CARRIER SAFETY CC)	MOTCAS(MOTOR CARRIER SAFETY CC)	S VALLEY FORGE RD / SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1098911	2024-1098911	Aug-26-2024	09:23:32	MVCI (MVC - INJURIES)	MVCI (MVC - INJURIES)	S VALLEY FORGE RD / MORRIS RD, WORCESTER TWP (MONTGOMERY)	Yes	TRACS CRASH REPORT
PA 2024-1099375	2024-1099375	Aug-26-2024	11:00:17	MOTCAS(MOTOR CARRIER SAFETY CC)	MOTCAS(MOTOR CARRIER SAFETY CC)	1500 BLOCK VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1099745	2024-1099745	Aug-26-2024	12:18:38	MOTCAS(MOTOR CARRIER SAFETY CC)	MOTCAS(MOTOR CARRIER SAFETY CC)	VALLEY FORGE RD / HICKORY HILL RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1100164	2024-1100164	Aug-26-2024	13:57:42	MOTCAS(MOTOR CARRIER SAFETY CC)	MOTCAS(MOTOR CARRIER SAFETY CC)	SKIPPACK PIKE / VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1101034	2024-1101034	Aug-26-2024	16:48:48	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2200 BLOCK BETHEL RD, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1101269	2024-1101269	Aug-26-2024	17:46:27	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	1900 BLOCK VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	WARNING (TRAFFIC STOP)



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PA 2024-1101574	2024-1101574	Aug-26-2024	19:11:34	RAOGO (REQUEST ASSIST - OTHER AGENCY GO)	RAPDGO(REQUEST ASSIST - LOCAL PD GO)	SKIPPACK PIKE / N WALES RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1103619	2024-1103619	Aug-27-2024	08:27:16	MVCRNI(MVC - REPORTABLE, NO INJURIES)	MVCRNI(MVC - REPORTABLE, NO INJURIES)	VALLEY FORGE RD / GRIFFITH RD, WORCESTER TWP (MONTGOMERY)	Yes	TRACS CRASH REPORT
PA 2024-1103876	2024-1103876	Aug-27-2024	09:09:03	DSCHSC(DOMESTIC SECURITY CHECK - SCHOOL CC)	DSCHSC(DOMESTIC SECURITY CHECK - SCHOOL CC)	SKIPPACK PIKE / S VALLEY FORGE RD [WORCESTER ELEM, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1104015	2024-1104015	Aug-27-2024	09:27:25	DSCHSC(DOMESTIC SECURITY CHECK - SCHOOL CC)	DSCHSC(DOMESTIC SECURITY CHECK - SCHOOL CC)	W GERMANTOWN PIKE / W ADAIR DR [METHACTON, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1104583	2024-1104583	Aug-27-2024	11:07:04	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	256 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1104653	2024-1104653	Aug-27-2024	11:21:18	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	256 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1104762	2024-1104762	Aug-27-2024	11:44:46	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	271 1476 S, WORCESTER TWP (MONTGOMERY)	Yes	WARNING (TRAFFIC STOP)
PA 2024-1105381	2024-1105381	Aug-27-2024	13:57:29	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2400 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1105522	2024-1105522	Aug-27-2024	14:22:17	DIST (DISTURBANCE/NOISE COMPLAINT GO)	DIST (DISTURBANCE/NOISE COMPLAINT GO)	3350 FISHER RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1105739	2024-1105739	Aug-27-2024	14:57:06	DOGLAW(DOG LAW VIOLATION)	SEE OFC(SEE OFFICER GO)	51 ESSEX CT, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1105832	2024-1105832	Aug-27-2024	15:22:06	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	3100 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1107213	2024-1107213	Aug-27-2024	21:21:28	MVCHR (MVC - HIT AND RUN, NO INJURIES)	MVCHR (MVC - HIT AND RUN, NO INJURIES)	VALLEY FORGE RD / SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRACS CRASH REPORT
PA 2024-1108396	2024-1108396	Aug-28-2024	07:45:04	DSCHSC(DOMESTIC SECURITY CHECK - SCHOOL CC)	DSCHSC(DOMESTIC SECURITY CHECK - SCHOOL CC)	1005 KRIEBEL MILL RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1108569	2024-1108569	Aug-28-2024	08:03:33	ALARMB(ALARM - BURGLAR)	ALRMF (ALARM FALSE FAULT CC)	2750 MORRIS RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1108589	2024-1108589	Aug-28-2024	08:09:58	DSCHSC(DOMESTIC SECURITY CHECK - SCHOOL CC)	DSCHSC(DOMESTIC SECURITY CHECK - SCHOOL CC)	KRIEBEL MILL RD / MILL RD [KRIEBEL MILL RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1109804	2024-1109804	Aug-28-2024	11:59:41	MOTSBI(MOTOR CARRIER SAFETY - ANNUAL SCHOOL BUS INSP CC)	MOTCAS(MOTOR CARRIER SAFETY CC)	BLACKSMITH LN / ANVIL DR, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL



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PA 2024-1110863	2024-1110863	Aug-28-2024	15:46:57	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	258 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1111373	2024-1111373	Aug-28-2024	17:28:32	MVCRNI(MVC - REPORTABLE, NO INJURIES)	MVCRNI(MVC - REPORTABLE, NO INJURIES)	2005 VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	TRACS CRASH REPORT
PA 2024-1113517	2024-1113517	Aug-29-2024	08:13:57	MVCHR (MVC - HIT AND RUN, NO INJURIES)	MVCHR (MVC - HIT AND RUN, NO INJURIES)	2933 W GERMANTOWN PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRACS CRASH REPORT
PA 2024-1113562	2024-1113562	Aug-29-2024	08:27:01	DSCHSC(DOMESTIC SECURITY CHECK - SCHOOL CC)	DSCHSC(DOMESTIC SECURITY CHECK - SCHOOL CC)	1005 KRIEBEL MILL RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1113960	2024-1113960	Aug-29-2024	09:55:35	SPEECH(SPEECH CC)	SPEECH(SPEECH CC)	VALLEY FORGE RD / MILL RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1114194	2024-1114194	Aug-29-2024	10:45:35	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	ILNZN (INTERSTATE HIGHWAY - CLEAR LINE ZONE CC)	267 1476 N, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1114990	2024-1114990	Aug-29-2024	14:06:06	DISM (DISABLED MOTORIST CC)	DISM (DISABLED MOTORIST CC)	SKIPPACK PIKE / CEDARS HILL RD, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1115440	2024-1115440	Aug-29-2024	15:55:34	IDTHFT(IDENTITY THEFT)	IDTHFT(IDENTITY THEFT)	56 UMBRELL DR, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1116478	2024-1116478	Aug-29-2024	20:37:59	DOM (DOMESTIC - INACTIVE)	PATCHK(PATROL CHECK CC)	329 E MOUNT KIRK AVE, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1117454	2024-1117454	Aug-30-2024	06:05:31	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2100 BLOCK S VALLEY FORGE RD, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1118358	2024-1118358	Aug-30-2024	08:12:31	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2800 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1118463	2024-1118463	Aug-30-2024	08:24:54	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	3300 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1118532	2024-1118532	Aug-30-2024	08:31:16	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2900 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1118570	2024-1118570	Aug-30-2024	08:34:39	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	3300 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1118800	2024-1118800	Aug-30-2024	08:59:31	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	3300 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1118805	2024-1118805	Aug-30-2024	09:00:16	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2800 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1118987	2024-1118987	Aug-30-2024	09:14:36	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	3300 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1119084	2024-1119084	Aug-30-2024	09:21:24	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2900 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1119190	2024-1119190	Aug-30-2024	09:32:07	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2700 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION



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PA 2024-1119710	2024-1119710	Aug-30-2024	10:20:40	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2800 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	WARNING (TRAFFIC STOP)
PA 2024-1119806	2024-1119806	Aug-30-2024	10:30:00	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2900 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1119986	2024-1119986	Aug-30-2024	10:45:59	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2800 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	WARNING (TRAFFIC STOP)
PA 2024-1120737	2024-1120737	Aug-30-2024	12:01:47	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2700 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1121064	2024-1121064	Aug-30-2024	12:32:53	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2800 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	WARNING (TRAFFIC STOP)
PA 2024-1122967	2024-1122967	Aug-30-2024	15:36:22	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2700 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	WARNING (TRAFFIC STOP)
PA 2024-1123312	2024-1123312	Aug-30-2024	16:04:55	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2000 BLOCK STEELMAN RD, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1124987	2024-1124987	Aug-30-2024	18:55:29	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	1900 BLOCK BERKS RD, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1125514	2024-1125514	Aug-30-2024	19:56:23	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	ROAD (ROAD HAZARD - ANIMAL - DEBRIS CC)	VALLEY FORGE RD / HORSESHOE DR, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1126435	2024-1126435	Aug-30-2024	22:11:32	ALARMB(ALARM - BURGLAR)	ALRMF (ALARM FALSE FAULT CC)	2699 HAWTHORN DR, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1129748	2024-1129748	Aug-31-2024	11:09:34	DOMA (DOMESTIC - IN PROGRESS)	DOMO (DOMESTIC - OTHER GO)	112 MEADOW VIEW LN, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1130465	2024-1130465	Aug-31-2024	12:48:44	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	2800 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	WARNING (TRAFFIC STOP)
PA 2024-1130475	2024-1130475	Aug-31-2024	12:49:43	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	3000 BLOCK SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1130619	2024-1130619	Aug-31-2024	13:10:42	DOMA (DOMESTIC - IN PROGRESS)	DOMO (DOMESTIC - OTHER GO)	1575 POTSHOP RD, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1130903	2024-1130903	Aug-31-2024	13:46:08	WELCK (WELFARE CHECK GO)	WELCK (WELFARE CHECK GO)	BERWICK PL / E MOUNT KIRK AVE, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1131464	2024-1131464	Aug-31-2024	15:04:55	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	264 I476 N, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1132998	2024-1132998	Aug-31-2024	18:13:47	THEFTV(THEFT - VEHICLE)	SEE OFC(SEE OFFICER GO)	3205 SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE
PA 2024-1133288	2024-1133288	Aug-31-2024	19:03:39	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	1500 BLOCK N WHITEHALL RD, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1133544	2024-1133544	Aug-31-2024	19:48:55	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	271 I476 S, WORCESTER TWP (MONTGOMERY)	Yes	WARNING (TRAFFIC STOP)
PA 2024-1133682	2024-1133682	Aug-31-2024	20:17:51	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	271 I476 N, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION



PENNSYLVANIA STATE POLICE

CAD Call Print Synopsis

Call #	Report #	Call Date	Time	Initial Call Type	Final Call Type	Location	Founded	Cleared By
PA 2024-1133683	2024-1133683	Aug-31-2024	20:17:58	DISM (DISABLED MOTORIST CC)	DISM (DISABLED MOTORIST CC)	271 I476 N, WORCESTER TWP (MONTGOMERY)	Yes	CLOSED CAD CALL
PA 2024-1133746	2024-1133746	Aug-31-2024	20:25:52	MVCNR (MVC - NON-REPORTABLE)	MVCNR (MVC - NON-REPORTABLE)	BETHEL RD / SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	TRACS CRASH REPORT
PA 2024-1134139	2024-1134139	Aug-31-2024	21:35:34	TS (TRAFFIC STOP CC)	TS (TRAFFIC STOP CC)	900 BLK MORRIS RD[MORRIS RD, WORCESTER TWP (MONTGOMERY)	Yes	TRAFFIC CITATION
PA 2024-1134591	2024-1134591	Aug-31-2024	23:16:59	SEEOF(SEE OFFICER GO)	SEEOF(SEE OFFICER GO)	2806 SKIPPACK PIKE, WORCESTER TWP (MONTGOMERY)	Yes	GENERAL OFFENSE

Skippack Emergency Medical Services

4058 Mensch Rd
P.O. Box 59
Skippack, PA 19474

Business 610.454.9665
Fax 610.454.9666



Skippack EMS
August 2024 calls
Worcester Township

Calls dispatched	48
Transported	30
Refusals	1
No services *	3
Fire	0
Covered by other squads (A station off status)	14
Lift assist	0
Recall (by 308B & 322)^	0

* includes: accidental/false alarm for medical alert alarm, no patient found, deceased, or police matters

^308B and 322 each have coverage areas in Worcester Twp

NORTH PENN WATER AUTHORITY
MINUTES OF THE BOARD OF DIRECTORS MEETING
June 25, 2024

William K. Dingman, Chair, called the meeting to order at 6:30 pm and immediately adjourned for Executive Session to discuss a personnel matter. The Board reconvened at 7:38 pm to begin the regular Board meeting agenda. The following Board members attended the meeting: Kenneth V. Farrall, Jeffrey H. Simcox, Michael R. Filiatrault, Richard C. Mast, Robert J. Rodgers, Amy J. Cummings-Leight, George E. Witmayer and Arthur C. Bustard. David W. Dedman was present for Executive Session by teleconference but did not attend the regular Board meeting. Also present were Anthony J. Bellitto, Jr., P.E., Executive Director, Daniel C. Preston, P.E., Director of Asset Management and Strategic Initiatives, Ami Tarburton, Director of Finance and Human Resources, Jonathan C. Hartzell, Director of Operations and Field Services, and Paul G. Mullin, Esquire, Hamburg, Rubin, Mullin, Maxwell & Lupin, Solicitor.

The following items, by agenda number, were discussed:

1. **MINUTES** - Upon the motion of Mr. Farrall, seconded by Mr. Bustard, the Board unanimously approved the Minutes of the May 28, 2024 Board of Directors meeting as presented.
2. **BIDS**
 - 2.1. Contingent Award Authorization – Broad Street Infrastructure Improvement Project. Replace 2,081 LF of water main on Broad Street from Towamencin Avenue to Main Street in Hatfield Borough. This is a joint project with Hatfield Borough, with the Borough managing all bidding. NPWA has a Cost Sharing Agreement with the Borough to cover all costs related to the water line work. Hatfield Borough is scheduled to open bids on July 10, 2024. Once Bids are open, NPWA will tabulate the water line costs and decide intent to award at its regularly scheduled Board meeting and communicate this to the Borough in the interest of completing the project on schedule. Upon the motion of Mr. Farrall, seconded by Mr. Rodgers, the Board approved unanimously to award the water portion of the joint Bid, contingent upon review and approval of the bids by NPWA staff and solicitor.
3. **PUBLIC COMMENTS** - There were no members of the public in attendance at the meeting.
4. **FINANCIAL AND HUMAN RESOURCES REPORT**
 - 4.1. The Statement of Income and Expense for the period ending May 31, 2024 was highlighted by Ms. Tarburton and discussed. Metered Sales are up about 3.2% over the same period last year. Total Revenues are down slightly due to reduced tapping fees collected from the previous year. Operating expenses are in line with the 2024 budget with no significant variances, reporting at 40% of budget with 42% of time elapsed. Debt Service Coverage is 1.21, which is above the minimum of 1.10 required by the Trust Indenture. Total net income to debt ratio is 1.61. The Statement of Net Position for the period ending May 31, 2024 was highlighted and discussed. It was noted that Net Position had increased by 2% year to year, an

increase of approximately \$3.6 million. The Capital Budget Report indicates expenditures are at 28% of the budget and are catching up with capital budget numbers, due to a recent payment for the Ferry Road project. Metered Sales are at or above the 3-year average line. Following discussion, upon the motion of Mr. Farrall, seconded by Mr. Mast, the Board voted unanimously to accept the report and file it for future audit. Ms. Tarburton also highlighted the Human Resources and Payroll report, noting that the Water and Wastewater Summer Internship Program was underway and off to a good start.

- 4.2. Check Registers for the period May 17, 2024 to June 18, 2024 were distributed and discussed. Upon the motion of Mr. Farrall, seconded by Mr. Mast, the Board ratified the payments listed with a vote of 8-0 with one abstention. In accordance with the Public Official and Employee Ethics Act, Mr. Dingman announced his abstention from a payment to Gilmore and Associates, Inc. and his written memorandum regarding such abstention is attached hereto and made a part hereof as Exhibit "A".
5. **OPERATIONS, METER/CUSTOMER SERVICE, AND STATISTICS REPORT** - The Report for the month of May 2024 was presented, highlighted by Mr. Hartzell, and discussed.
6. **ENGINEERING AND WATER QUALITY REPORT** - The Report for the month of May 2024 was presented, highlighted by Mr. Preston, and discussed.
7. **INFORMATION TECHNOLOGY REPORT** - The Report for the month of May 2024 was presented, highlighted by Mr. Bellitto in the absence of Mr. Pearce, and discussed.
8. **ADMINISTRATION AND PUBLIC RELATIONS REPORT** - The Report for the month of May 2024 was presented, highlighted by Mr. Bellitto, and discussed.
9. **FOREST PARK WATER** - Mr. Rodgers, Chair of the Forest Park Water Operating Committee, reported that the committee had not met. There was nothing further to report beyond that contained in the Board Packet. The recent Forest Park Plant tour by several Board members went very well and it was suggested to have a second tour of the raw water delivery system including Point Pleasant pumping station and the Bradshaw Reservoir. Mr. Preston will follow up with the Board and coordinate a future tour.
10. **MAIN EXTENSIONS**
 - 10.1. M.E. 1467 – Allebach Tract – Upon the motion of Mr. Witmayer, seconded by Mr. Farrall, the Board voted 8-0 with one abstention to grant contingent final approval for 11 EDUs to 502 Township Line Rd Lawyers, LLC, for the project located at 655 Cowpath Road in Franconia Township. The approval is contingent upon the Developer furnishing financial security acceptable to the Solicitor and the payment of the Deposit and all fees. Mr. Mast announced his abstention due to a business relationship and his written memorandum regarding such abstention is attached hereto and made a part hereof as Exhibit "B".

- 10.2. M.E. 1507 – Lederach Village Homes – Upon the motion of Mr. Mast, seconded by Mr. Farrall, the Board granted unanimously final approval for 29 EDUs to Lederach Village Homes, LLC, for the project located at Morris Rd in Lower Salford Township, and further approved and authorized execution of the Main Extension Agreement relating to the development.
- 10.3. M.E. 1510 – Oakwood Terrace – Upon the motion of Mr. Farrall, seconded by Mr. Witmayer, the Board granted unanimously contingent final approval for 72 EDUs to HG Properties 40 LLP, for the project located at Hidden Meadows Drive in West Rockhill Township. The approval is contingent upon the Developer furnishing financial security acceptable to the Solicitor and the payment of the Deposit and all fees.

11. **ITEMS FOR DISCUSSION**

- 11.1. Water demands from Forest Park Plant during current heat wave – Mr. Hartzell presented operational data in graphical format showing NPWA water usage from Forest Park Water Treatment Plant and total pumpage from Forest Park including North Wales Water Authority and Bucks County Water and Sewer Authority demands for the month of June. The data during the recent heat wave indicates extreme demands on Forest Park for water approaching plant capacity. NPWA had a maximum day demand on Forest Park of approximately 16.3 MGD for a 24-hour period and an instantaneous demand of 17.3 MGD approaching our plant capacity of 17.5 MGD. Total instantaneous demand on Forest Park from all three entities reached approximately 42.9 MGD during the heat wave, approaching the rated plant capacity of 43 MGD. The recent plant usage data during the extreme heat wave highlights the need to move forward quickly with plant expansion plans to ensure we can continue to meet the needs of our customers.
- 11.2. After discussion, and upon the motion of Mr. Farrall, seconded by Mr. Witmayer, the Board authorized unanimously a one-year maintenance and support Agreement with ESRI, Inc. for GIS software licensing, maintenance and unlimited support in the total amount of \$27,500 per year. This amount was previously authorized as part of the approved 2024 Information Technology Operating Expense Budget.
- 11.3. After discussion, and upon the motion of Mr. Farrall, seconded by Mr. Witmayer, the Board authorized unanimously a one-year maintenance and support agreement with Cityworks Corporation in the total amount of \$43,407. The agreement includes software licensing, maintenance and unlimited support for our Customer Maintenance Management System. This amount was previously authorized as part of the approved 2024 Information Technology Operating Expense Budget.

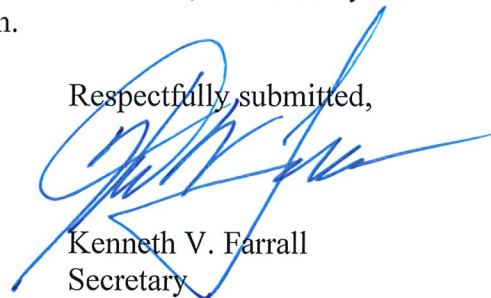
12. **COMMITTEE REPORTS**

- 12.1. Engineering Committee – Mr. Farrall, Chair of the Engineering Committee, reported that the committee did not meet but is scheduled to meet on July 23, 2024 prior to the Board meeting.

- 12.2. Executive Committee – Mr. Simcox, Chair of the Executive Committee, reported that the committee had not met.
- 12.3. Finance Committee – Mr. Mast, Chair of the Finance Committee, reported that the committee had not met.
13. **CORRESPONDENCE** - Various items of correspondence and newspaper articles contained in the Board Packet were reviewed. Mr. Bellitto noted the article on page 5 of correspondence related to the Friends of Worcester newsletter regarding a future NPWA Worcester Tank. The tank project history was presented in the article and was generally favorable toward the justification for the tank and an understanding of the need for it to improve pressure and firefighting capability.
14. **COMING EVENTS**
- 14.1. Forest Park Operating Committee Meeting is scheduled for August 20 at 6:00 pm at the North Penn Water Authority office.
- 14.2. NPWA/NWWA 2024 Joint Board Meeting is scheduled for September 5 at 7:00 pm at the North Penn Water Authority office.
- 14.3. The PMAA 82nd Annual Conference and Trade Show will be held September 15-18, 2024, at the Hershey Lodge and Convention Center in Hershey, Pennsylvania.
- 14.4. The Forest Park Customer Appreciation Day Golf Outing will be held on Monday September 30, 2024, at The Bucks Club, 2600 York Road in Jamison, Pennsylvania.
- 14.5. Public voting will take place at the North Penn Water Authority Operations Center on General Election Day, November 5, 2024.
15. **OLD BUSINESS** - There was no Old Business.
16. **NEW BUSINESS** - There was no New Business.
17. **EXECUTIVE SESSION** - The Board adjourned to Executive Session at 8:26 pm to discuss a personnel matter and reconvened at 9:05 pm. Mr. Dedman joined via teleconference for the Executive Session only. Upon reconvening, a majority of the Board elected to proceed with obtaining references and background checks from the job applicant interviewed during the earlier executive session and not seeking to advertise or solicit additional resumes for the position. The majority of the Board requested that the Solicitor contact and review the references of the applicant and report to the Board at the next meeting.

There being no further business, upon the motion of Mr. Mast, seconded by Mr. Farrall, the Board voted unanimously to adjourn at 9:05 pm.

Respectfully submitted,



Kenneth V. Farrall
Secretary

Exhibit "A"

Voting Conflict Memorandum

The Check Register for the period May 17, 2024 to June 18, 2024 was reviewed and discussed. Upon the motion of Mr. Farrall, seconded by Mr. Mast, the Board ratified the payments 8-0, with one abstention.

I, William K. Dingman, member of the North Penn Water Authority, abstained from the above mentioned ratification due to a payment to Gilmore and Associates, Inc. The situation constitutes a conflict of interest under section 1102 of the Public Official and Employee Ethics Act (the "Act"), therefore I abstained from the vote.



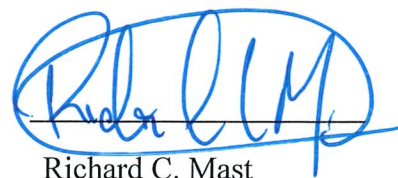
William K. Dingman

Exhibit "B"

Voting Conflict Memorandum

Upon the motion of Mr. Witmayer, seconded by Mr. Farrall, the Board voted 8-0 with one abstention to grant contingent final approval for 11 EDUs to 502 Township Line Rd Lawyers, LLC, for the project located at 655 Cowpath Road in Franconia Township.

I, Richard C. Mast, member of the North Penn Water Authority, abstained from the above mentioned approval due to a business relationship. The situation constitutes a conflict of interest under section 1102 of the Public Official and Employee Ethics Act (the "Act"), therefore I abstained from the vote.



Richard C. Mast

NORTH PENN WATER AUTHORITY
MINUTES OF THE BOARD OF DIRECTORS MEETING
July 23, 2024

William K. Dingman, Chair, called the meeting to order at 7:30 pm. The following Board members attended the meeting: Kenneth V. Farrall, Jeffrey H. Simcox, Michael R. Filiatrault, Richard C. Mast, Amy J. Cummings-Leight, George E. Witmayer, and Arthur C. Bustard. David W. Dedman participated via teleconference call. Also present were Anthony J. Bellitto, Jr., P.E., Executive Director, Daniel P. Pearce, Director of Information Technology, Daniel C. Preston, P.E., Director of Asset Management and Strategic Initiatives, Jonathan C. Hartzell, Director of Operations and Field Services, and Ethan R. O'Shea, Esquire, Hamburg, Rubin, Mullin, Maxwell & Lupin, Solicitor.

The following items, by agenda number, were discussed:

1. **MINUTES** - Upon the motion of Mr. Farrall, seconded by Mr. Witmayer, the Board unanimously approved the Minutes of the June 25, 2024 Board of Directors meeting as presented.

2. **BIDS**
 - 2.1 Award Authorization – Broad Street Infrastructure Improvement Project – Replace 2,081 LF of water main on Broad Street from Towamencin Avenue to Main Street in Hatfield Borough. This is a joint project with Hatfield Borough. NPWA provided Intent to Participate letter to Hatfield Borough on July 16, 2024, in accordance with the Cost Sharing Agreement executed on October 24, 2023. Upon the motion of Mr. Farrall, seconded by Ms. Cummings-Leight, and after discussion, the Board approved unanimously to award the water portion of the joint Bid to KBC Construction, LLC for \$811,956.50 and to authorize Authority funds of \$855,000.00 to complete the project.

 - 2.2 Authorization to Bid – Contract 798 West Rockhill Transmission Main. Install 12,500 LF of 12” DIP transmission main along Ridge Road from County Line Road to Almont Avenue in West Rockhill Township. Upon the motion of Mr. Farrall, seconded by Mr. Witmayer, the Board authorized unanimously the public advertising for Bids.

Robert J. Rodgers arrived at the meeting at 7:42 pm and was present for all subsequent discussions.

3. **PUBLIC COMMENTS** - There were no members of the public in attendance at the meeting.

4. **FINANCIAL AND HUMAN RESOURCES REPORT**
 - 4.1 The Statement of Income and Expense for the period ending June 30, 2024 was highlighted by Mr. Bellitto and discussed. Metered Sales are up 2.8% over the same period last year. Total Revenues are down slightly due to reduced tapping fees collected compared to the previous year. Total Revenues are at 50% and are on

target. Operating expenses are in line with the 2024 budget with no significant variances, reporting at 48% of budget with 50% of time elapsed. Income after debt service is about \$2.5 million or 59% of the budgeted amount. Debt Service Coverage is 1.29, which is above the minimum of 1.10 required by the Trust Indenture. Total net income to debt ratio is 1.67. The Statement of Net Position for the period ending June 30, 2024 was highlighted and discussed. It was noted that Net Position had increased by 2% year to year. The Capital Budget Report indicates expenditures are at 29% of the budget and pending projects will bring expenses more in alignment with the budget. Metered Sales are at or above the 3-year average line. Following discussion, upon the motion of Mr. Mast, seconded by Mr. Bustard, the Board voted unanimously to accept the report and file it for future audit. Mr. Bellitto also highlighted the Human Resources and Payroll report.

- 4.2 Check Registers for the period June 19, 2024 to July 16, 2024 were distributed and discussed. Upon the motion of Mr. Farrall, seconded by Mr. Mast, the Board ratified unanimously the payments listed.
5. **OPERATIONS, METER/CUSTOMER SERVICE, AND STATISTICS REPORT** - The Report for the month of June 2024 was presented, highlighted by Mr. Hartzell, and discussed.
6. **ENGINEERING AND WATER QUALITY REPORT** - The Report for the month of June 2024 was presented, highlighted by Mr. Preston, and discussed.
7. **INFORMATION TECHNOLOGY REPORT** - The Report for the month of June 2024 was presented, highlighted by Mr. Pearce, and discussed.
8. **ADMINISTRATION AND PUBLIC RELATIONS REPORT** - The Report for the month of June 2024 was presented, highlighted by Mr. Bellitto, and discussed.
9. **FOREST PARK WATER** - Mr. Rodgers, Chair of the Forest Park Water Operating Committee, reported that the committee had not met. Mr. Bellitto referenced materials in the Board packet related to a proposed modest increase to the Forest Park rate. North Penn and North Wales Water Authorities completed an extensive rate study of current Forest Park expenses and are recommending this increase. Mr. Bellitto indicated that this would be an agenda item for Board action at the September Joint Board meeting.
10. **MAIN EXTENSIONS** - There was no Main Extensions Activity this month.
11. **ITEMS FOR DISCUSSION**
 - 11.1 Ferry Road water main project update – Mr. Bellitto referenced letters included in the Board packet related to follow up on the ongoing restoration issues regarding the final paving of Ferry Road in New Britain Township. North Wales Water provided a detailed point by point response to the PennDOT comment letter addressing PennDOT concerns which identified several pre-existing drainage conditions.

- 11.2 PENNVEST loan application approved for West Rockhill transmission main project – Mr. Preston reported that the PENNVEST low interest loan was approved at an estimated cost of \$5.7 million and that we are now able to put the project out to bid. The interest rate is 1.743% for the first 5 years and then increases to 2.179% from year 6 through year 20. Once Bids are opened and the contract is awarded, the project cost will be finalized and we will proceed with closing on the loan and starting construction in early October.

12. **COMMITTEE REPORTS**

- 12.1 Engineering Committee - Mr. Farrall, Chair of the Engineering Committee, reported that the Committee met earlier in the evening.

- 12.1.1 Comprehensive Master Plan – Consultant representatives from Brown & Caldwell were in attendance to give a presentation on project status. An update was provided on the demand projections and there was extensive discussion regarding Forest Park capacity and highlighted the need to proceed with the Forest Park expansion. The distribution system evaluation was presented addressing system needs out to 2050 and some conceptual solutions were presented to address the growing need for additional storage capacity. Finally, the Asset Management Plan was discussed highlighting the development of Levels of Service requirements and metrics to drive organizational performance. The work completed thus far will be used as a basis to roll out a capital investment plan in time for the 2025 capital budget planning season.

- 12.1.2 Criteria for Water Service Extension to new developments – The committee revisited the discussion from the March 2024 Board meeting as to how we provide service to the various new developments in our system. There was a step-by-step review of the current informal policy of when and how we provide individual meter pits verses use of large vaults. The Committee recommends that we maintain the status quo as discussed and formalize this policy within our updated rules and regulations to be approved at an upcoming Board meeting.

- 12.2 Executive Committee – Mr. Simcox, Chair of the Executive Committee, reported that the committee had not met.

- 12.3 Finance Committee – Mr. Mast, Chair of the Finance Committee, reported that the committee had not met.

13. **CORRESPONDENCE** - Various items of correspondence and newspaper articles contained in the Board Packet were reviewed.

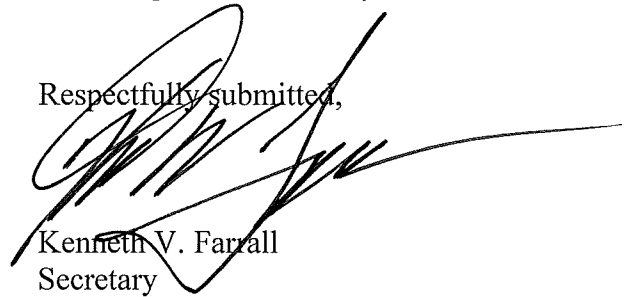
14. **COMING EVENTS**

- 14.1 Forest Park Operating Committee Meeting is scheduled for August 20 at 6:00 pm at the North Penn Water Authority office.

- 14.2 NPWA/NWWA 2024 Joint Board Meeting is scheduled for September 5 at 7:00 pm at the North Penn Water Authority office.
- 14.3 The PMAA 82nd Annual Conference and Trade Show will be held September 15-18, 2024, at the Hershey Lodge and Convention Center in Hershey, Pennsylvania.
- 14.4 The Forest Park Customer Appreciation Day Golf Outing will be held on Monday September 30, 2024, at The Bucks Club, 2600 York Road in Jamison, Pennsylvania.
- 14.5 Public voting will take place at the North Penn Water Authority Operations Center on General Election Day, November 5, 2024.
15. **OLD BUSINESS** - There was no Old Business.
16. **NEW BUSINESS** - There was no New Business.
17. **EXECUTIVE SESSION** - The Board adjourned to Executive Session at 8:44 pm to discuss a personnel matter and reconvened at 8:55 pm.

There being no further business, upon the motion of Mr. Rodgers, seconded by Mr. Farrall, the Board voted unanimously to adjourn at 8:56 pm.

Respectfully submitted,



Kenneth V. Farrall
Secretary

Public Works Department Report

August 2024

1) Road Maintenance

- A. Cleared inlets and drains throughout the Township**
- B. Filled potholes throughout the Township**
- C. Adding stone to roadway edge erosion areas**
- D. Road signage straightening and pruning**
- E. Edge of roadway mowing**
- F. 2024 Roadway Improvement Program underway**
- G. Intersection visibility pruning**
- H. Green Hill Road wooden bridge repairs**

2) Storm Maintenance

- A. No significant storm events in August**

3) Parks

- A. Twice weekly cleaning of restrooms, emptying trash receptacles, and stocking dog bags**
- B. Repairing washouts and general trail maintenance**
- C. Removal of dead trees on Township properties/parks**
- D. Power washing walks and structures**
- E. Playing field maintenance**
- F. Township property weed spraying (fence lines, bleacher, etc.)**
- G. Heebner Park basketball courts restoration completed**
- H. Riparian Buffer clean / prune (Zacharias Trail)**
- I. Heebner gazebo roof replacement completed**

4) Vehicle Maintenance

- A. Performed weekly maintenance of all Township vehicles**
- B. 64-43 Insurance claim repairs completed / Inspection**
- C. 64-25 Transmission repairs / Inspection**
- D. 64-41/52/59/63 Annual service**
- E. 64-51 Hydraulic lever replacement**

5) Miscellaneous

- A. Setting up and cleaning of Community Hall for rentals and Township events**
- B. Nike Compost facility open to residents twice weekly**

1000 E Walnut Street, Ste 721
Perkasie, PA 18944

office 215-766-2626
fax 215-766-2424

August 27, 2024


Township Manager
Township of Worcester
1721 Valley Forge Road
Worcester, PA 19490

RE: Berwick STP PA0050393 and Valley Green STP PA0050393
Monthly Operation and Maintenance Report for July 2024.

Attached, please find the summary of analytical results and operation and maintenance activities for the Berwick and Valley Green sewage treatment plants and collection system.

Please feel free to contact me with questions at the above number.

Thank you,



Teresa J Peachey
Office Manager

Cc: John Scully, President
John Evarts

**Worcester Township WWTP
Operations and Maintenance Report**

July 2024

Non-Routine Maintenance / Events:

Valley Green WWTP

7/8/2024 – Upon arrival found SHT blower belts broken. Replaced belts. All ok (1.5hr)

7/10/2024 - Replaced 1” air valve on sample tank air line.(1 hr)

7/29/2024 - #3 train return line clogged and not running. Turned off air to train. Pulled stopper plug on return line and lowered 15’ pipe in line to clear clog. Put stopper plug back on line and turned air back on but the clog was not cleared. Turned off air, pulled stopper plug and put pipe back in line to clear clog. Put everything back together and turned air on, line is cleared. (2hrs)

Berwick WWTP

7/11/24 - Checked the floats and found the “OFF” float had failed. Replaced the float, built a new float hanger, and removed unused floats and wiring.

7/14/24 - Callout 2358 hours for “Pump Station High Level”. Upon arrival, found the level in the pump station was normal. Checked the pump control panel, and everything was normal. Both pumps ran multiple on/off cycles without any issues. Possibly a float is starting to fail. Will check all floats and proceed from there. Rearmed the dialer at 0230 hours.
(Total time: 2.0 hours)

7/15/24 - Callout at 0814 hours for “Pump Station High Level”. Upon arrival, found the level in the pump station was normal as it was earlier when it called out. Checked the pump control panel and found that both pumps were running. Pulled the Lead float and checked the float switch for continuity. The float had failed. The switch was not opening and closing smoothly as the float was raised and lowered and would not remain closed when in the closed position. Replaced the float and removed all unnecessary wiring left in the wet well from prior repairs/replacements. Verified pump operation off the commands from the Lead and Low floats. The influent pump station is now operating normally.

7/24/24 - callout at 1133 hours for “Pump Station High Level”. Upon arrival, found the Alternating Relay switching between the 2 influent pump station pumps erratically. Removed the relay, checked the pins and connector, and reinstalled the relay. Reset the float order at the wet well. Monitored the Alternating Relay as the pumps ran multiple on/off cycles. Found the relay would stay on the pump that just ran instead of switching after pump shut off. Shortly after the pump started the next “on” cycle, the relay would start switching between the pumps erratically. Will order a new Alternating Relay. Until the new relay arrives, used manual switch on the relay to set pump 1 as LEAD and pump 2 as LAG and will switch which pump is LEAD/LAG daily.

FW: Your eDMR Report Has Been Received For Permit No. PA0055671

Teresa Peachey <tpeachey@pueinc.com>

Mon 8/26/2024 12:41 PM

To:Debbie Dunfee <Ddunfee@pueinc.com>

From: depgreenporthelpdesk@state.pa.us <depgreenporthelpdesk@state.pa.us>**Sent:** Monday, August 26, 2024 12:41:19 PM (UTC-05:00) Eastern Time (US & Canada)**To:** jscullypue@gmail.com <jscullypue@gmail.com>; tryan@worcestertwp.com <tryan@worcestertwp.com>; jscullypue@gmail.com <jscullypue@gmail.com>**Subject:** Your eDMR Report Has Been Received For Permit No. PA0055671

This email is to confirm that the following report was received by DEP through the eDMR system:

Facility Name: BERWICK PLACE STP**Permit Number:** PA0055671**Report Frequency:** Monthly**Report Type:** DMR**Reporting Period:** 07/01/2024-07/31/2024**Report Due Date:** 08/28/2024**Submitted By:** John Scully**Submission Id:** 475329**Submission Status:** Received**Submission Type:** Original

To view the details of this report, access the eDMR system through DEP's [GreenPort](#) and select the link for View/Revise Submitted.



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER**

DISCHARGE MONITORING REPORT (DMR)

NAME: WORCESTER TWP MONTGOMERY CNTY
 ADDRESS: PO BOX 7671721 VALLEY FORGE RD, WORCESTER, PA , 19490-0767
 FACILITY: BERWICK PLACE STP
 LOCATION: E MT KIRK RD, WORCESTER, PA , 19490-0767
 STAGE: Final Effluent

PA0055671
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 07/01/2024
 DMR Effective To: 07/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	07	01	FROM	2024	07	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	SAMPLE MEASUREMENT	***	***		5.92	***	***	mg/L	1/day	Grab
	PERMIT REQUIREMENT	***	***		5.0 Daily Min	***	***		1/day	Grab
pH (00400)	SAMPLE MEASUREMENT	***	***		7.4	***	8.38	S.U.	1/day	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst /Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	<1.1	1.5	lbs/day	***	<2	2	mg/L	1/week	24-Hr Composite
	PERMIT REQUIREMENT	12.5 Avg Mo	18.8 Wkly Avg		***	10 Avg Mo	15 Wkly Avg		1/week	24-Hr Composite
Total Nitrogen (00600)	SAMPLE MEASUREMENT	<5	***	lbs/day	***	<6.82	***	mg/L	1/week	24-Hr Composite
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	<.08	.2	lbs/day	***	<.1	.3	mg/L	1/week	24-Hr Composite
	PERMIT REQUIREMENT	1.9 Avg Mo	2.9 Wkly Avg		***	1.5 Avg Mo	2.3 Wkly Avg		1/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	SAMPLE MEASUREMENT	<4.3	<6.1	lbs/day	***	<6	***	mg/L	1/week	24-Hr Composite
	PERMIT REQUIREMENT	12.5 Avg Mo	18.8 Wkly Avg		***	10 Avg Mo	15 Wkly Avg		1/week	24-Hr Composite
Total Phosphorus (00665)	SAMPLE MEASUREMENT	<.08	***	lbs/day	***	.4	***	mg/L	1/week	24-Hr Composite
	PERMIT REQUIREMENT	7 Avg Mo	***		***	1.5 Avg Mo	***		1/week	24-Hr Composite

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Ultraviolet light intensity (49607)	SAMPLE MEASUREMENT	***	***		.1	***	***	mW/cm ²	1/day	Measured
	PERMIT REQUIREMENT	***	***		Monitor & Report Daily Min	***	***		1/day	Measured
Flow (50050)	SAMPLE MEASUREMENT	.0743	.122	MGD	***	***	***		Continuous	Metered
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Fecal Coliform (74055)	SAMPLE MEASUREMENT	***	***		***	<2	<2	No./100 ml	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	200 Geo Mean	1000 IMAX		1/week	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	SAMPLE MEASUREMENT	<1.4	<1.6	lbs/day	***	<2	<2	mg/L	1/week	24-Hr Composite
	PERMIT REQUIREMENT	12.5 Avg Mo	18.8 Wkly Avg		***	10 Avg Mo	15 Wkly Avg		1/week	24-Hr Composite
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER**

DISCHARGE MONITORING REPORT (DMR)

NAME: WORCESTER TWP MONTGOMERY CNTY
 ADDRESS: PO BOX 7671721 VALLEY FORGE RD, WORCESTER, PA , 19490-0767
 FACILITY: BERWICK PLACE STP
 LOCATION: E. MT KIRK RD, WORCESTER, PA , 19490-0767
 STAGE: Raw Sewage Influent

PA0055671	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 07/01/2024
 DMR Effective To: 07/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	07	01	FROM	2024	07	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	SAMPLE MEASUREMENT	206	***		***	288	***		1/week	24-Hr Composite
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	***	lbs/day	***	Monitor & Report Avg Mo	***	mg/L	1/week	24-Hr Composite
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	123	***		***	174	***		1/week	24-Hr Composite
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	***	lbs/day	***	Monitor & Report Avg Mo	***	mg/L	1/week	24-Hr Composite
Facility Comments										

ATTACHMENT DETAILS

FILE NAME	ATTACHMENT TYPE	UPLOADED TIME	ATTACHMENT COMMENT
Berwick DMR Jul 2024	Daily Effluent Monitoring Form	8/22/2024 2:36:53 PM	
Berwick Inf Proc Cntl Jul 2024	Influent and Process Control Form	8/22/2024 2:37:30 PM	
2427672 Inf Eff 7.5.24	Laboratory Analytical Report	8/22/2024 2:38:12 PM	
2428881 Inf Eff 7.11.24	Laboratory Analytical Report	8/22/2024 2:38:39 PM	
2429794 Inf Eff 7.18.24	Laboratory Analytical Report	8/22/2024 2:39:09 PM	
2430756 Inf Eff 7.25.24	Laboratory Analytical Report	8/22/2024 2:39:32 PM	

COMMENT DETAILS

COMMENTS	OPERATOR NAME	OPERATOR CERTIFICATION NUMBER	OPERATOR CONTACT NUMBER
	John Scully	S14080	(215)-766-2626

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

Facility Name: Berwick Place STP
Municipality: Worcester Twp County: Montgomery Coun
Watershed: 3-E
Laboratories: MJ Reider Associates, Inc

Month: 7 (select number) Year: 2024
Permit No.: PA0055671 Outfall: 001
Renewal application due **180 days** prior to expiration.
This permit will expire on: January 31, 2026

Week	Day	Date	Parameter	Flow	Fecal Coliform	pH	Dissolved Oxygen	CBOD5	TSS	UV Intensity	NO2-N + NO3-N	Total Nitrogen	NH3-N	Total Phosphorus	BOD5	TSS							
			Stage	1	1	1	1	1	1	2	1	1	1	RI	RI								
			MGD	Q	CFU/100 ml	Q	S.U.	Q	mg/L	Q	mg/L	Q	%	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L
1	Sun	6/30/24	0.0921																				
	Mon	7/1/24	0.073			7.68	6.12			0.6													
	Tue	7/2/24	0.0544			7.88	7.69			0.2													
	Wed	7/3/24	0.0379			7.85	7.58			0.1													
	Thu	7/4/24	0.0712			7.93	8.26			0.1													
	Fri	7/5/24	0.0782	<	2.0	7.71	8.1	<	2.0	0.3	<	6.25	<	6.75	<	0.02	0.38			311.0		184.0	
	Sat	7/6/24	0.0628			7.72	7.2			0.2													
2	Sun	7/7/24	0.0766			7.77	7.44			0.3													
	Mon	7/8/24	0.0744			8.1	5.93			0.1													
	Tue	7/9/24	0.0668			8.14	8.22			0.1													
	Wed	7/10/24	0.0872			7.97	7.95			0.2													
	Thu	7/11/24	0.0794	<	2.0	7.7	7.47	<	2.0	2.5	<	6.29	<	7.24	0.34	0.49				245.0		187.0	
	Fri	7/12/24	0.05			7.74	7.45			1.4													
	Sat	7/13/24	0.071			7.78	7.14			1.1													
3	Sun	7/14/24	0.0855			7.76	7.16			1.6													
	Mon	7/15/24	0.0696			7.63	5.99			0.8													
	Tue	7/16/24	0.0679			8.23	7.23			1.3													
	Wed	7/17/24	0.0871			8.38	8.49			1.8													
	Thu	7/18/24	0.0974	<	2.0	7.57	7.39	<	2.0	<	1.0	1.5	<	3.57	<	4.56	0.04	0.52			276.0		124.0
	Fri	7/19/24	0.0535			7.87	7.49			1.0													
	Sat	7/20/24	0.0595			7.4	6.3			1.0													
4	Sun	7/21/24	0.1041			7.65	7.62			0.8													
	Mon	7/22/24	0.0617			7.61	6.47			1.4													
	Tue	7/23/24	0.1133			7.83	7.67			1.4													
	Wed	7/24/24	0.0784			7.65	7.67			0.9													
	Thu	7/25/24	0.0885	<	2.0	7.94	8.01	<	2.0	2.0	1.1	<	8.22	<	8.72	0.05	0.36				320.0		200.0
	Fri	7/26/24	0.0601			7.92	7.83			1.6													
	Sat	7/27/24	0.0846			8.16	8.96			1.7													
5	Sun	7/28/24	0.122			8.2	8.9			1.4													
	Mon	7/29/24	0.0697			7.53	5.92			1.2													
	Tue	7/30/24	0.0509			7.79	7.32			1.1													
	Wed	7/31/24	0.0656			7.78	7.49			0.9													
	Thu	8/1/24																					
	Fri	8/2/24																					
	Sat	8/3/24																					

Statistics for DMR																						
Daily Minimum (Conc.):	<	2		7.4	5.92	<	2	<	1	0.1	<	3.57	<	4.56	<	0.02	0.36	245	124			
Daily Maximum (Conc.):	<	2		8.38	8.96	<	2	<	2	2.5	<	8.22	<	8.72	<	0.34	0.52	320	200			
Max Avg Weekly (Conc.):					7.75	<	2	<	2	1.3	<	8	<	8.72	<	0.3	0.52	320	200			
Avg Monthly (Conc.):					7.43	<	2	<	2	1	<	6	<	6.82	<	0.1	0.4	288	174			
Geometric Mean (Conc.):	<	2																				
Max Avg Weekly (Load):	0.0844				5	<	1.6	<	1.5	<	6.1	<	6	<	0.2	0.4	236	148				
Avg Monthly (Load):	0.0743				5	<	1.4	<	1.1	<	4.3	<	5	<	0.08	0.3	206	123				
Total Monthly (Load):	2.3023				144	<	44.4	<	33.1	<	133.4	<	150	<	2.4	9.8	6397	3814				
Daily Minimum (Load):	0.0379				2	<	1.3	<	0.7	<	2.9	<	4	<	0.01	0.2	162	101				
Daily Maximum (Load):	0.122				9	<	1.6	<	1.5	<	6.1	<	6	<	0.2	0.4	236	148				

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: John Scully
Title: Operator

License No.: S14080
Date: _____

Facility Name: Berwick Place STP
 Municipality: Worcester Twp County: Montgomery
 Watershed: 3-E

Month: July Year: 2024
 NPDES Permit No.: PA0055671
 Renewal application due 180 days prior to expiration.
 This permit will expire on: January 31, 2026

Day	Influent					Process Control			
	Flow (MGD)	BOD ₅ (mg/l)	BOD ₅ (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)	
1	0.0715								
2	0.077								
3	0.0475								
4	0.0962								
5	0.0885	311.0	229	184.0	136				
6	0.075								
7	0.1157								
8	0.0793								
9	0.1006								
10	0.1365								
11	0.1027	245.0	210	187.0	160				
12	0.0939								
13	0.1013								
14	0.0932								
15	0.0522								
16	0.0514								
17	0.0807								
18	0.0753	276.0	173	124.0	78				
19	0.0459								
20	0.0512								
21	0.0886								
22	0.0406								
23	0.0784								
24	0.0583								
25	0.0878	320.0	234	200.0	146				
26	0.0499								
27	0.0752								
28	0.1267								
29	0.0595								
30	0.057								
31	0.0838								
Avg	0.079	288	212	174	130				
Max	0.137	320	234	200	160				

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: John Scully
 Title: Operator

License No.: S14080
 Date: _____



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

Facility Name: **Berwick Place STP**
 Municipality: **Worcester TWP** County: **Montgomery**
 Watershed: **3-E**

Month: **July** Year: **2024**
 NPDES Permit No.: **PA0055671**
 Renewal application due **180 days** prior to expiration
 This permit will expire on: **January 31, 2026**

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

Check here if there were no off-site removal events during the month

Date	Liquid Sewage Sludge/Biosolids			Dewatered Sewage Sludge/Biosolids			Sewage Sludge/Biosolids		
	Hauled Off-site			Hauled Off-site			Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
7/5/24	10,000	2.00	0.834						
7/12/24	10,000	2.00	0.834						
7/19/24	8,000	2.00	0.667						
7/26/24	8,000	2.00	0.667						
TOTAL:			3.002	TOTAL:			TOTAL:		

SEWAGE SLUDGE / BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION (Identify all sites where biosolids or ash were disposed or land applied)

Site Name			
Municipality			
County			
DEP Permit No.			
Type of Material*			
Dry Tons Applied/Disposed			
Type of Disposal/Use*			
Hauler Name	Franc Environmental		

* See Instructions for explanation.

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: **John Scully**
 Title: **Operator**

License No.: **S14080**
 Date: _____



Certificate of Analysis

M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2427672

Report: 07/17/24

Lab Contact: Rafael A Quijada

Attention: John Scully

Project Info: Berwick Place STP NPDES - 1x/wk

Reported To: Private Utility Enterprises, Inc.
1000 E. Walnut St, Suite 721
Perkasie, PA 18944

Lab ID: 2427672-01

Collected By: Client

Sampled: 07/05/24 09:40

Received: 07/05/24 15:10

Sample Desc: Berwick Place STP Effluent (Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Ammonia as N	<0.02	mg/L	0.02	EPA 350.1 Rev 2.0	07/11/24		SNF	1.5
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/L	2.0	SM 5210 B	07/06/24 9:29		LEH	10
Nitrate as N	6.15	mg/L	1.00	EPA 300.0 Rev 2.1	07/05/24 20:38		KCS	10
Nitrite as N	<0.10	mg/L	0.10	EPA 300.0 Rev 2.1	07/05/24 20:38		KCS	
Nitrate+Nitrite as N	<6.25	mg/L	1.10	CALCULATED	07/05/24 20:38		KCS	
Nitrogen, Total	<6.75	mg/L	1.60	CALCULATED	07/15/24 12:10		KMS	
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/L	0.50	EPA 351.2 Rev 2.0	07/15/24		KMS	
Phosphorus as P, Total	0.38	mg/L	0.01	SM 4500-P F	07/11/24		SNF	1.5
Solids, Total Suspended	1	mg/L	1	SM 2540 D	07/08/24		TMH	10

Lab ID: 2427672-02

Collected By: Client

Sampled: 07/05/24 09:40

Received: 07/05/24 15:10

Sample Desc: Berwick Place STP Effluent (Grab)

Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	Action Level
Microbiology									
Fecal Coliform	<2	CFU/100mL	2	SM 9222 D	7/5/24 16:34	7/6/24 15:07		ZJB	200

Lab ID: 2427672-03

Collected By: Client

Sampled: 07/05/24 09:45

Received: 07/05/24 15:10

Sample Desc: Berwick Place STP Influent (Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Biochemical Oxygen Demand	311	mg/L	40.0	SM 5210 B	07/05/24 17:45		SXS	
Solids, Total Suspended	184	mg/L	1	SM 2540 D	07/08/24		TMH	



107 Angelica Street ◯ Reading, PA 19611 ◯ www.mjreider.com ◯ (610) 374-5129 ◯ fax (610) 374-7234

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NELAC accreditations for various drinking water, wastewater and solid & chemical materials analytes.

Additional accreditations by MD (261)



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2428881

Report: 07/22/24

Lab Contact: Rafael A Quijada

Attention: Teresa Peachy
Reported To: Private Utility Enterprises, Inc.
1000 E. Walnut St. Suite 721
Perkasie, PA 18944

Project Info: Berwick Place STP NPDES - 1x/wk

Lab ID: 2428881-01 **Collected By:** Client
Sample Desc: Berwick Place STP Effluent (Composite)

Sampled: 07/11/24 09:35 **Received:** 07/11/24 15:15
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Ammonia as N	0.34	mg/L	0.02	EPA 350.1 Rev 2.0	07/12/24		SNF	1.5
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/L	2.0	SM 5210 B	07/12/24 11:15		LEH	10
Nitrate as N	6.19	mg/L	1.00	EPA 300.0 Rev 2.1	07/11/24 23:03		KCS	10
Nitrite as N	<0.10	mg/L	0.10	EPA 300.0 Rev 2.1	07/11/24 23:03		KCS	
Nitrate+Nitrite as N	<6.29	mg/L	1.10	CALCULATED	07/11/24 23:03		KCS	
Nitrogen, Total	<7.24	mg/L	1.60	CALCULATED	07/19/24 2:09		SNF	
Nitrogen, Total Kjeldahl (TKN)	0.95	mg/L	0.50	EPA 351.2 Rev 2.0	07/19/24		SNF	
Phosphorus as P, Total	0.49	mg/L	0.01	SM 4500-P F	07/12/24		SNF	1.5
Solids, Total Suspended	2	mg/L	1	SM 2540 D	07/12/24		TMH	10

Lab ID: 2428881-02 **Collected By:** Client
Sample Desc: Berwick Place STP Effluent (Grab)

Sampled: 07/11/24 09:35 **Received:** 07/11/24 15:15
Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	Action Level
Microbiology									
Fecal Coliform	<2	CFU/100mL	2	SM 9222 D	7/11/24 16:51	7/12/24 16:02		ZJB	200

Lab ID: 2428881-03 **Collected By:** Client
Sample Desc: Berwick Place STP Influent (Composite)

Sampled: 07/11/24 09:40 **Received:** 07/11/24 15:15
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Biochemical Oxygen Demand	245	mg/L	13.3	SM 5210 B	07/12/24 12:53	B-01	LEH	
Solids, Total Suspended	187	mg/L	1	SM 2540 D	07/12/24		TMH	



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Additional accreditations by MD (261)



Certificate of Analysis

M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2429794

Report: 07/25/24

Lab Contact: Rafael A Quijada

Attention: Teresa Peachy
Reported To: Private Utility Enterprises, Inc.
1000 E. Walnut St. Suite 721
Perkasie, PA 18944

Project Info: Berwick Place STP NPDES - 1x/wk

Lab ID: 2429794-01 **Collected By:** Client
Sample Desc: Berwick Place STP Effluent (Composite)

Sampled: 07/18/24 09:45 **Received:** 07/18/24 13:20
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Ammonia as N	0.04	mg/L	0.02	EPA 350.1 Rev 2.0	07/23/24		SNF	1.5
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/L	2.0	SM 5210 B	07/19/24 15:08		KXS	10
Nitrate as N	3.47	mg/L	1.00	EPA 300.0 Rev 2.1	07/18/24 18:11		KCS	10
Nitrite as N	<0.10	mg/L	0.10	EPA 300.0 Rev 2.1	07/18/24 18:11		KCS	
Nitrate+Nitrite as N	<3.57	mg/L	1.10	CALCULATED	07/18/24 18:11		KCS	
Nitrogen, Total	<4.56	mg/L	1.60	CALCULATED	07/24/24 11:46		SNF	
Nitrogen, Total Kjeldahl (TKN)	0.99	mg/L	0.50	EPA 351.2 Rev 2.0	07/24/24		SNF	
Phosphorus as P, Total	0.52	mg/L	0.01	SM 4500-P F	07/23/24		SNF	1.5
Solids, Total Suspended	<1	mg/L	1	SM 2540 D	07/22/24		ALD	10

Lab ID: 2429794-02 **Collected By:** Client
Sample Desc: Berwick Place STP Effluent (Grab)

Sampled: 07/18/24 09:45 **Received:** 07/18/24 13:20
Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	Action Level
Microbiology									
Fecal Coliform	<2	CFU/100mL	2	SM 9222 D	7/18/24 16:03	7/19/24 14:22		MAC	200

Lab ID: 2429794-03 **Collected By:** Client
Sample Desc: Berwick Place STP Influent (Composite)

Sampled: 07/18/24 09:50 **Received:** 07/18/24 13:20
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Biochemical Oxygen Demand	276	mg/L	40.0	SM 5210 B	07/19/24 13:14		KXS	
Solids, Total Suspended	124	mg/L	1	SM 2540 D	07/19/24		ENM	



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Additional accreditations by MD (261)



Certificate of Analysis

M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2430756

Report: 08/02/24

Lab Contact: Rafael A Quijada

Attention: Teresa Peachy

Project Info: Berwick Place STP NPDES - 1x/wk

Reported To: Private Utility Enterprises, Inc.

1000 E. Walnut St. Suite 721
Perkasie, PA 18944

Lab ID: 2430756-01 **Collected By:** Client

Sampled: 07/25/24 09:40

Received: 07/25/24 13:30

Sample Desc: Berwick Place STP Effluent (Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Ammonia as N	0.05	mg/L	0.02	EPA 350.1 Rev 2.0	07/27/24		SNF	1.5
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/L	2.0	SM 5210 B	07/26/24 15:02	B-01	AAM	10
Nitrate as N	8.12	mg/L	1.00	EPA 300.0 Rev 2.1	07/25/24 16:02		KCS	10
Nitrite as N	<0.10	mg/L	0.10	EPA 300.0 Rev 2.1	07/25/24 16:02		KCS	
Nitrate+Nitrite as N	<8.22	mg/L	1.10	CALCULATED	07/25/24 16:02		KCS	
Nitrogen, Total	<8.72	mg/L	1.60	CALCULATED	07/29/24 19:53		KMS	
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/L	0.50	EPA 351.2 Rev 2.0	07/29/24		KMS	
Phosphorus as P, Total	0.36	mg/L	0.01	SM 4500-P F	07/27/24		SNF	1.5
Solids, Total Suspended	2	mg/L	1	SM 2540 D	07/26/24		ALD	10

Lab ID: 2430756-02 **Collected By:** Client

Sampled: 07/25/24 09:40

Received: 07/25/24 13:30

Sample Desc: Berwick Place STP Effluent (Grab)

Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	Action Level
Microbiology									
Fecal Coliform	<2	CFU/100mL	2	SM 9222 D	7/25/24 15:12	7/26/24 14:27		ZJB	200

Lab ID: 2430756-03 **Collected By:** Client

Sampled: 07/25/24 09:45

Received: 07/25/24 13:30

Sample Desc: Berwick Place STP Influent (Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Biochemical Oxygen Demand	320	mg/L	13.3	SM 5210 B	07/26/24 16:00		KMD	
Solids, Total Suspended	200	mg/L	1	SM 2540 D	07/26/24		ALD	



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BERWICK WWTP

Worcester

NPDES PERMIT # PA0055671

Month: July

Year: 2024

#2

DAY	Decant & Aeration Checked				Daily UV Intensity	UV Hours	Weekly Outfall Inspect	Gen Hours	Comments
	1 & 2	AC	3 & 4	AC					
1	✓	✓	✓	✓	0.6	48708			
2	✓	✓	✓	✓	0.2	48731			
3	✓	✓	✓	✓	0.1	48755			
4	✓	✓	✓	✓	0.1	48773			
5	✓	✓	✓	✓	0.3	48799	✓		
6	✓	✓	✓	✓	0.2	48822			
7	✓	✓	✓	✓	0.3	48845			
8	✓	✓	✓	✓	0.1	48869			
9	✓	✓	✓	✓	0.1	48896			
10	✓	✓	✓	✓	0.2	48923			
11	✓	✓	✓	✓	2.5	48948			
12	✓	✓	✓	✓	1.4	48973	✓		
13	✓	✓	✓	✓	1.1	48992			
14	✓	✓	✓	✓	1.6	49015			
15	✓	✓	✓	✓	0.8	49040			
16	✓	✓	✓	✓	1.3	49061			
17	✓	✓	✓	✓	1.8	49085			
18	✓	✓	✓	✓	1.5	49112			
19	✓	✓	✓	✓	1.0	49139	✓		
20	✓	✓	✓	✓	1.0	49159			
21	✓	✓	✓	✓	0.8	49180			
22	✓	✓	✓	✓	1.4	49209			
23	✓	✓	✓	✓	1.4	49227			
24	✓	✓	✓	✓	0.9	49260			
25	✓	✓	✓	✓	1.1	49279			
26	✓	✓	✓	✓	1.6	49304	✓		
27	✓	✓	✓	✓	1.7	49321			
28	✓	✓	✓	✓	1.4	49346			
29	✓	✓	✓	✓	1.2	49380			
30	✓	✓	✓	✓	1.1	49403			
31	✓	✓	✓	✓	0.9	49425			

BERWICK WWTP

Worcester

NPDES PERMIT # PA005671

Month: July

Year: 2024

#3

DAY	Op Int	Influent		Effluent			Test Auto Dialer	Gen Hrs	Effluent Lab Testing					
		Totalizer	MGD	Totalizer x 10	GPM	MGD			PH	DO	Temp	NH3	Phos	NO3
1	CCC	9134358	0.071490	2331578	69	0.0730	X	518.4(F)	7.68	6.12	25	0.2	0.56	3.4
2	CCC	9205848	0.077013	2332308	70	0.0544	X	518.9(F)	7.88	7.69	25	0.2	0.53	3.9
3	CCC	9282861	0.047528	2332852	69	0.0379	X	518.9	7.85	7.58	25	0.2	0.51	5.4
4	CCC	9330389	0.096150	2333231	45	0.0712	X	518.9	7.93	8.26	25	0.2	0.54	5.1
5	CCC	9426539	0.088454	2333943	69	0.0782	X	519.1(F)	7.71	8.10	6	0.2	0.44	6.7
6	MB	9514993	0.075035	2334725	71	0.0628	X	519.1	7.72	7.20	27	0.2		
7	MB	9590028	0.115734	2335353	68	0.0766	X	519.1	7.77	7.44	26	0.2		
8	CCC	9705762	0.079280	2336119	44	0.0744	X	519.1	8.10	5.93	26	0.2	0.46	8.5
9	CCC	9785042	0.100596	2336863	45	0.0668	X	519.1	8.14	8.22	26	0.2	0.55	7.9
10	CCC	9885638	0.136519	2337531	42	0.0872	X	519.6(F)	7.97	7.95	27	0.2	0.56	7.2
11	CCC	10022157	0.102657	2338403	69	0.0794	X	519.6	7.70	7.47	5	0.2	0.49	6.5
12	CCC	10124814	0.093885	2339197	69	0.0500	X	519.6	7.74	7.45	26	0.2	0.62	6.7
13	JO	10218699	0.101250	2339697	49	0.0710	X	519.6	7.78	7.14	27	0.2		
14	JO	10319949	0.093189	2340407	57	0.0855	X	519.6	7.76	7.16	29	0.2		
15	CCC	10413138	0.052215	2341262	75	0.0696	X	519.9(F)	7.63	5.99	27	0.2	0.61	4.2
16	CCC	10465353	0.051383	2341958	49	0.0679	X	519.9	8.23	7.23	28	0.2	0.52	5.0
17	CCC	10516736	0.080714	2342637	69	0.0871	X	520.4(F)	8.38	8.49	26	0.2	0.56	4.2
18	CCC	10597450	0.075287	2343508	75	0.0974	X	520.4	7.57	7.39	6	0.2	0.53	4.0
19	CCC	10672737	0.045882	2344482	86	0.0535	X	520.4	7.87	7.49	26	0.2	0.56	4.9
20	CW	10718619	0.051172	2345017	85	0.0595	X	520.4	7.40	6.30	26	0.2		
21	CW	10769791	0.088647	2345612	53	0.1041	X	520.4	7.65	7.62	26	0.2		
22	CCC	10858438	0.040583	2346653	72	0.0617	X	520.4	7.61	6.47	26	0.2	0.42	5.9
23	CCC	10899021	0.078421	2347270	69	0.1133	X	520.4	7.83	7.67	25	0.2	0.41	7.8
24	CCC	10977442	0.058278	2348403	81	0.0784	X	520.9(F)	7.65	7.67	26	0.2	0.44	8.9
25	CCC	11035720	0.087767	2349187	69	0.0885	X	520.9	7.94	8.01	5	0.2	0.37	8.7
26	CCC	11123487	0.049850	2350072	73	0.0601	X	520.9	7.92	7.83	25	0.2	0.57	7.4
27	MB	11173337	0.075225	2350673	8	0.0846	X	520.9	8.16	8.96	25	0.2		
28	MB	11248562	0.126710	2351519	7	0.1220	X	520.9	8.20	8.90	25	0.2		
29	CCC	11375272	0.059540	2352739	71	0.0697	X	520.9	7.53	5.92	26	0.2	0.47	6.9
30	CCC	11434812	0.057023	2353436	69	0.0509	X	521.4(F)	7.79	7.32	27	0.2	0.50	7.0
31	CCC	11491835	0.083807	2353945	70	0.0656	X	521.4	7.78	7.49	27	0.2	0.46	9.3
			0.0788		Total:	2.3023		Min:	7.40	5.92				
			Max: 0.137					Max:	8.38	8.96				

BERWICK WWTP

Worcester

NPDES PERMIT # PA0055671

Month: July

Year: 2024

#4

DAY	EQ for Trains 3 & 4				Pump Setting				ND = New Drum					Sludge Removal - Gals		
	Pump 1	D/H	Pump 2	D/H	Alum 1	Alum 2	Alum 3	Alum 4	Meth 1	Meth 2	Meth 3	Meth 4	Meth Inches	Alum Inches	Trains 1 & 2	Trains 3 & 4
1	38325.5	14.7	47073.2	0.0	2.0	3.0	2.0	2.0	4.5	4.5	2.0	3.0	OK	OK		
2	38340.2	14.4	47073.2	0.0	2.0	3.0	2.0	2.0	4.5	4.5	2.0	3.0	OK	OK		
3	38354.6	8.6	47073.2	0.0	2.0	3.0	2.0	2.0	4.5	4.5	2.0	3.0	ND	OK		
4	38363.2	16.6	47073.2	0.0	2.0	3.0	2.0	2.0	4.5	4.5	2.0	3.0	OK	OK		
5	38379.8	16.4	47073.2	0.0	2.0	3.0	2.0	2.0	4.5	4.5	2.0	3.0	OK	ND	5000	5000
6	38396.2	13.7	47073.2	0.0	2.0	3.0	2.0	2.0	4.5	4.5	2.0	3.0	OK	OK		
7	38409.9	12.8	47073.2	0.0	2.0	3.0	2.0	2.0	4.5	4.5	2.0	3.0	OK	OK		
8	38422.7	0.0	47073.2	21.9	2.0	3.0	2.0	2.0	4.5	4.5	2.0	3.0	ND	OK		
9	38422.7	0.0	47095.1	19.4	2.0	3.0	2.0	2.0	5.5	5.5	3.0	3.0	OK	OK		
10	38422.7	0.0	47114.5	22.2	2.0	3.0	2.0	2.0	5.5	5.5	3.0	3.0	OK	OK		
11	38422.7	0.0	47136.7	21.3	2.0	3.0	2.0	2.0	5.5	5.5	3.0	3.0	ND	OK		
12	38422.7	0.0	47158.0	12.5	2.0	3.0	2.0	2.0	5.5	5.5	3.0	3.0	OK	ND	5000	5000
13	38422.7	0.0	47170.5	17.7	2.0	3.0	2.0	2.0	5.5	5.5	3.0	3.0	OK	OK		
14	38422.7	0.0	47188.2	19.9	2.0	3.0	2.0	2.0	5.5	5.5	3.0	3.0	OK	OK		
15	38422.7	16.5	47208.1	0.0	2.0	3.0	2.0	2.0	5.5	5.5	3.0	3.0	ND	OK		
16	38439.2	15.4	47208.1	0.0	2.0	3.0	2.0	2.0	5.5	5.5	3.0	3.0	OK	OK		
17	38454.6	19.8	47208.1	0.0	2.0	3.0	2.0	2.0	5.5	5.5	3.0	3.0	ND	OK		
18	38474.4	21.9	47208.1	0.0	2.0	3.0	2.0	2.0	5.5	5.5	3.0	3.0	OK	OK		
19	38496.3	10.3	47208.1	0.0	2.0	3.0	2.0	2.0	5.0	5.0	2.5	2.5	ND	ND	4000	4000
20	38506.6	10.5	47208.1	0.0	2.0	3.0	2.0	2.0	5.0	5.0	2.5	2.5	OK	OK		
21	38517.1	16.9	47208.1	0.0	2.0	3.0	2.0	2.0	5.0	5.0	2.5	2.5	OK	OK		
22	38534.0	0.0	47208.1	12.8	2.0	3.0	2.0	2.0	5.0	5.0	2.5	2.5	OK	OK		
23	38534.0	0.0	47220.9	22.7	2.0	3.0	2.0	2.0	5.0	5.0	2.5	2.5	OK	OK		
24	38534.0	0.0	47243.6	14.7	2.0	3.0	2.0	2.0	5.0	5.0	2.5	2.5	ND	OK		
25	38534.0	0.0	47258.3	18.1	2.0	3.0	2.0	2.0	5.0	5.0	2.5	2.5	OK	ND		
26	38534.0	0.0	47276.4	9.8	2.0	3.0	2.0	2.0	5.0	5.0	2.5	2.5	OK	OK	4000	4000
27	38534.0	0.0	47286.2	15.8	2.0	3.0	2.0	2.0	5.0	5.0	2.5	2.5	OK	OK		
28	38534.0	0.0	47302.0	23.3	2.0	3.0	2.0	2.0	5.0	5.0	2.5	2.5	ND	OK		
29	38534.0	19.9	47325.3	0.0	2.0	3.0	2.0	2.0	5.0	5.0	2.5	2.5	OK	OK		
30	38553.9	12.3	47325.3	0.0	2.0	3.0	2.0	2.0	5.0	5.0	2.5	2.5	OK	OK		
31	38566.2	16.0	47325.3	0.0	2.0	3.0	2.0	2.0	5.0	5.0	2.5	2.5	ND	OK		

07/05/2024 - Franc Env. Hauled 10,000 gal. of sludge to Pottstown

07/12/2024 - Franc Env. Hauled 10,000 gal. of sludge to Pottstown

07/19/2024 - Franc Env. Hauled 8,000 gal. of sludge to Pottstown

07/26/2024 - Franc Env. Hauled 8,000 gal. of sludge to NAWC

#5

DAY	Influent Pumps				Sand Filter for Trains 3 & 4							
	Pump		Pump		Backwash		Backwash		Mudwell		Mudwell	
	1	D/H	2	D/H	1	D/H	2	D/H	1	D/H	2	D/H
1	12573.0	1.8	7894.4	2.0	659.67	0.00	1211.92	0.08	2565.3	0.0	5701.56	0.00
2	12574.8	2.0	7896.4	2.1	659.67	0.10	1212.00	0.18	2565.3	0.2	5701.56	0.47
3	12576.8	1.1	7898.5	1.3	659.77	0.00	1212.18	0.00	2565.5	0.0	5702.03	0.00
4	12577.9	2.3	7899.8	2.6	659.77	0.00	1212.18	0.17	2565.5	0.4	5702.03	0.01
5	12580.2	2.0	7902.4	2.3	659.77	0.00	1212.35	0.09	2565.9	0.0	5702.04	0.16
6	12582.2	1.9	7904.7	2.0	659.77	0.00	1212.44	0.08	2565.9	0.2	5702.20	0.17
7	12584.1	2.6	7906.7	2.9	659.77	0.09	1212.52	0.09	2566.1	0.1	5702.37	0.00
8	12586.7	1.9	7909.6	2.1	659.86	0.00	1212.61	0.09	2566.2	0.0	5702.37	0.17
9	12588.6	2.2	7911.7	2.5	659.86	0.19	1212.70	0.26	2566.2	0.5	5702.54	0.37
10	12590.8	2.8	7914.2	3.3	660.05	0.10	1212.96	0.42	2566.7	0.4	5702.91	0.55
11	12593.6	2.1	7917.5	2.4	660.15	0.19	1213.38	0.20	2567.1	0.5	5703.46	0.36
12	12595.7	1.8	7919.9	2.0	660.34	0.09	1213.58	0.26	2567.6	0.4	5703.82	0.38
13	12597.5	2.0	7921.9	2.3	660.43	0.10	1213.84	0.23	2568.0	0.3	5704.20	0.39
14	12599.5	2.8	7924.2	3.1	660.53	0.09	1214.07	0.30	2568.3	0.6	5704.59	0.39
15	12602.3	1.8	7927.3	2.1	660.62	0.00	1214.37	0.27	2568.9	0.4	5704.98	0.21
16	12604.1	1.9	7929.4	2.2	660.62	0.10	1214.64	0.26	2569.3	0.4	5705.19	0.40
17	12606.0	2.6	7931.6	3.1	660.72	0.19	1214.90	0.36	2569.7	0.4	5705.59	0.74
18	12608.6	2.5	7934.7	2.8	660.91	0.19	1215.26	0.35	2570.1	0.5	5706.33	0.60
19	12611.1	1.5	7937.5	1.7	661.10	0.09	1215.61	0.27	2570.6	0.5	5706.93	0.39
20	12612.6	1.7	7939.2	1.8	661.19	0.01	1215.88	0.27	2571.1	0.4	5707.32	0.20
21	12614.3	2.6	7941.0	3.3	661.20	0.09	1216.15	0.26	2571.5	0.4	5707.52	0.42
22	12616.9	1.5	7944.3	1.6	661.29	0.10	1216.41	0.18	2571.9	0.2	5707.94	0.42
23	12618.4	3.3	7945.9	3.7	661.39	0.09	1216.59	0.36	2572.1	0.6	5708.36	0.41
24	12621.7	3.0	7949.6	1.0	661.48	0.00	1216.95	0.18	2572.7	0.2	5708.77	0.19
25	12624.7	1.1	7950.6	4.0	661.48	0.10	1217.13	0.18	2572.9	0.2	5708.96	0.43
26	12625.8	2.9	7954.6	0.0	661.58	0.09	1217.31	0.09	2573.1	0.2	5709.39	0.18
27	12628.7	0.0	7954.6	4.6	661.67	0.10	1217.40	0.17	2573.3	0.4	5709.57	0.23
28	12628.7	7.6	7959.2	0.1	661.77	0.09	1217.57	0.36	2573.7	0.4	5709.80	0.61
29	12636.3	1.9	7959.3	1.9	661.86	0.10	1217.93	0.18	2574.1	0.4	5710.41	0.23
30	12638.2	1.9	7961.2	1.9	661.96	0.10	1218.11	0.26	2574.5	0.4	5710.64	0.43
31	12640.1	2.5	7963.1	2.7	662.06	0.09	1218.37	0.36	2574.9	0.4	5711.07	0.60

BERV

Worcester

NPDES PERMIT # PA0055671

Month: July

Year:

2024

#6

DAY	ML Temp C	30 Minutes Settleometer				TSS mg/L				Wasting (in minutes)			
		Train 1	Train 2	Train 3	Train 4	Train 1	Train 2	Train 3	Train 4	1	2	3	4
1		290	320	300	290	0.2	0.2	0.2	0.2	15	20	15	15
2		280	340	300	290	0.2	0.2	0.2	0.2	15	20	15	20
3		270	300	300	290	0.2	0.2	0.2	0.2	15	20	15	20
4										15	20	15	20
5		270	280	240	400	0.2	0.2	0.2	0.2	15	15	15	15
6										15	15	15	15
7										15	15	15	15
8		270	300	210	300	0.2	0.2	0.2	0.2	15	20	15	20
9		280	340	270	290	0.2	0.2	0.2	0.2	15	20	15	20
10		250	320	290	270	0.2	0.2	0.2	0.2	15	20	15	20
11		280	300	320	250	0.2	0.2	0.2	0.2	15	15	15	15
12		250	270	300	250	0.2	0.2	0.2	0.2	15	15	15	15
13										15	15	15	15
14										15	15	15	15
15		260	250	300	250	0.2	0.2	0.2	0.2	10	10	10	10
16		270	240	310	250	0.2	0.2	0.2	0.2	10	10	20	10
17		250	250	340	260	0.2	0.2	0.2	0.2	10	10	20	10
18		250	250	340	290	0.2	0.2	0.2	0.2	10	10	20	10
19		240	240	300	280	0.2	0.2	0.2	0.2	10	10	20	15
20										5	5	10	10
21										5	5	10	10
22		250	300	300	280	0.2	0.2	0.2	0.2	10	10	15	10
23		260	300	290	280	0.2	0.2	0.2	0.2	5	10	10	5
24		250	300	280	290	0.2	0.2	0.2	0.2	5	10	10	10
25		350	340	310	300	0.2	0.2	0.2	0.2	10	10	10	10
26		330	320	300	290	0.2	0.2	0.2	0.2	10	10	10	10
27										10	10	10	10
28										10	10	10	10
29		320	300	300	280	0.2	0.2	0.2	0.2	10	10	10	10
30		340	280	280	280	0.2	0.2	0.2	0.2	10	10	10	10
31		330	280	290	290	0.2	0.2	0.2	0.2	10	10	10	10

NICK WWTP

Worcester

NPDES PERMIT # PA0055671

Month: July

Year:

2024

#7

DAY	Sand Filter for Trains 1 & 2										EQ for Trains 1 & 2			
	Backwash 1	D/H	Backwash 2	D/H	Mudwell 3	D/H	Mudwell 4	D/H	Purge 5	D/H	Pump 1	D/H	Pump 2	D/H
1	2553.4	0.0	2893.1	0.0	4915.6	0.3	4932.4	0.1	573.5	0.0	30703.4	0.0	7056.6	18.8
2	2553.4	0.0	2893.1	0.0	4915.9	0.4	4932.5	0.2	573.5	0.0	30703.4	0.0	7075.4	15.8
3	2553.4	0.0	2893.1	0.0	4916.3	0.3	4932.7	0.0	573.5	0.0	30703.4	0.0	7091.2	12.2
4	2553.4	0.0	2893.1	0.0	4916.6	0.7	4932.7	0.2	573.5	0.0	30703.4	0.0	7103.4	18.0
5	2553.4	0.0	2893.1	0.0	4917.3	0.3	4932.9	0.2	573.5	0.0	30703.4	0.0	7121.4	22.9
6	2553.4	0.0	2893.1	0.0	4917.6	0.5	4933.1	0.2	573.5	0.0	30703.4	0.0	7144.3	22.7
7	2553.4	0.0	2893.1	0.0	4918.1	0.3	4933.3	0.1	573.5	0.0	30703.4	0.0	7167.0	24.5
8	2553.4	0.0	2893.1	0.0	4918.4	0.0	4933.4	0.0	573.5	0.0	30703.4	0.0	7191.5	23.5
9	2553.4	0.0	2893.1	0.0	4918.4	0.0	4933.4	0.2	573.5	0.0	30703.4	0.0	7215.0	16.3
10	2553.4	0.0	2893.1	0.0	4918.4	0.5	4933.6	0.0	573.5	0.0	30703.4	0.0	7231.3	19.3
11	2553.4	0.0	2893.1	0.0	4918.9	0.0	4933.6	0.0	573.5	0.0	30703.4	0.0	7250.6	17.1
12	2553.4	0.0	2893.1	0.0	4918.9	0.0	4933.6	0.0	573.5	0.0	30703.4	0.0	7267.7	9.8
13	2553.4	0.0	2893.1	0.0	4918.9	0.0	4933.6	0.2	573.5	0.0	30703.4	0.0	7277.5	15.2
14	2553.4	0.0	2893.1	0.0	4918.9	0.0	4933.8	0.0	573.5	0.0	30703.4	0.0	7292.7	17.5
15	2553.4	0.0	2893.1	0.0	4918.9	0.0	4933.8	0.0	573.5	0.0	30703.4	0.4	7310.2	13.9
16	2553.4	0.0	2893.1	0.0	4918.9	0.2	4933.8	0.0	573.5	0.0	30703.8	13.0	7324.1	0.0
17	2553.4	0.0	2893.1	0.0	4919.1	0.0	4933.8	0.0	573.5	0.0	30716.8	17.1	7324.1	0.0
18	2553.4	0.0	2893.1	0.0	4919.1	0.0	4933.8	0.2	573.5	0.0	30733.9	18.0	7324.1	0.0
19	2553.4	0.0	2893.1	0.0	4919.1	0.3	4934.0	0.0	573.5	0.0	30751.9	10.5	7324.1	0.0
20	2553.4	0.0	2893.1	0.0	4919.4	0.0	4934.0	0.2	573.5	0.0	30762.4	12.4	7324.1	0.0
21	2553.4	0.0	2893.1	0.0	4919.4	0.0	4934.2	0.0	573.5	0.0	30774.8	19.1	7324.1	0.0
22	2553.4	0.0	2893.1	0.0	4919.4	0.3	4934.2	0.0	573.5	0.0	30793.9	0.0	7324.1	16.4
23	2553.4	0.0	2893.1	0.0	4919.7	0.0	4934.2	0.0	573.5	0.0	30793.9	0.0	7340.5	25.1
24	2553.4	0.0	2893.1	0.0	4919.7	0.0	4934.2	0.0	573.5	0.0	30793.9	0.0	7365.6	19.5
25	2553.4	0.0	2893.1	0.0	4919.7	0.0	4934.2	0.1	573.5	0.0	30793.9	0.0	7385.1	18.6
26	2553.4	0.0	2893.1	0.0	4919.7	0.0	4934.3	0.0	573.5	0.0	30793.9	0.0	7403.7	14.9
27	2553.4	0.0	2893.1	0.0	4919.7	0.2	4934.3	0.0	573.5	0.0	30793.9	0.0	7418.6	17.5
28	2553.4	0.0	2893.1	0.0	4919.9	0.0	4934.3	0.2	573.5	0.0	30793.9	0.0	7436.1	23.4
29	2553.4	0.1	2893.1	0.1	4919.9	0.0	4934.5	0.0	573.5	0.0	30793.9	18.4	7459.5	0.0
30	2553.5	0.0	2893.2	0.0	4919.9	0.0	4934.5	0.0	573.5	0.0	30812.3	13.4	7459.5	0.0
31	2553.5	0.1	2893.2	0.0	4919.9	0.4	4934.5	0.0	573.5	0.0	30825.7	16.3	7459.5	0.0

VICK WWTP

Worcester

NPDES PERMIT # PA0055671

Month:

July

Year: 2024

DAY	Trains 1 & 2						Trains 3 & 4						Compressor PSI
	Blower 2	D/H	Blower 3	D/H	Blower 1	D/H	Blower 6	D/H	Blower 7	D/H	Blower 5	D/H	
1	1272.9	23.1	2186.4	23.1	19678.4	0.0	56084.26	23.11	61890.02	0.00	83817.62	0.00	95/50
2	1296.0	23.9	2209.5	23.9	19678.4	0.0	56107.37	23.85	61890.02	0.00	83817.62	0.00	95/50
3	1319.9	17.5	2233.4	17.6	19678.4	0.0	56131.22	17.58	61890.02	0.00	83817.62	0.00	95/50
4	1337.4	26.3	2251	26.2	19678.4	0.0	56148.80	26.21	61890.02	0.00	83817.62	0.00	95/50
5	1363.7	22.8	2277.2	22.9	19678.4	0.0	56175.01	22.87	61890.02	0.00	83817.62	0.00	95/50
6	1386.5	22.8	2300.1	22.7	19678.4	0.0	56197.88	22.79	61890.02	0.00	83817.62	0.00	95/50
7	1409.3	24.4	2322.8	24.5	19678.4	0.0	56220.67	24.41	61890.02	0.00	83817.62	0.00	95/50
8	1433.7	23.7	2347.3	23.6	19678.4	0.0	56245.08	23.67	61890.02	0.00	83817.62	0.00	95/50
9	1457.4	27.2	2370.9	27.3	19678.4	0.0	56268.75	27.22	61890.02	0.00	83817.62	0.00	95/50
10	1484.6	28.1	2398.2	28.0	19678.4	0.0	56295.97	28.03	61890.02	0.00	83817.62	0.00	95/50
11	1512.7	24.5	2426.2	24.6	19678.4	0.0	56324.00	24.56	61890.02	0.00	83817.62	0.00	95/50
12	1537.2	19.7	2450.8	19.6	19678.4	0.0	56348.56	19.71	61890.02	0.00	83817.62	0.00	95/50
13	1556.9	22.9	2470.4	23.0	19678.4	0.0	56368.27	22.91	61890.02	0.00	83817.62	0.00	95/50
14	1579.8	25.4	2493.4	25.3	19678.4	0.0	56391.18	25.35	61890.02	0.00	83817.62	0.00	95/50
15	1605.2	20.9	2518.7	20.9	19678.4	0.0	56416.53	20.85	61890.02	0.00	83817.62	0.00	95/50
16	1626.1	23.9	2539.6	23.9	19678.4	0.0	56437.38	23.95	61890.02	0.00	83817.62	0.00	95/50
17	1650.0	27.5	2563.5	27.5	19678.4	0.0	56461.33	27.51	61890.02	0.00	83817.62	0.00	95/50
18	1677.5	27.5	2591	27.6	19678.4	0.0	56488.84	27.53	61890.02	0.00	83817.62	0.00	95/50
19	1705.0	19.7	2618.6	19.6	19678.4	0.0	56516.37	19.62	61890.02	0.00	83817.62	0.00	95/50
20	1724.7	21.2	2638.2	21.3	19678.4	0.0	56535.99	21.28	61890.02	0.00	83817.62	0.00	95/50
21	1745.9	28.5	2659.5	28.5	19678.4	0.0	56557.27	28.50	61890.02	0.00	83817.62	0.00	95/50
22	1774.4	17.7	2688	17.7	19678.4	0.0	56585.77	17.70	61890.02	0.00	83817.62	0.00	95/50
23	1792.1	33.0	2705.7	32.9	19678.4	0.0	56603.47	32.95	61890.02	0.00	83817.62	0.00	95/50
24	1825.1	19.5	2738.6	19.5	19678.4	0.0	56636.42	19.45	61890.02	0.00	83817.62	0.00	95/50
25	1844.6	24.7	2758.1	24.7	19678.4	0.0	56655.87	24.70	61890.02	0.00	83817.62	0.00	95/50
26	1869.3	17.5	2782.8	17.5	19678.4	0.0	56680.57	17.56	61890.02	0.00	83817.62	0.00	95/50
27	1886.8	24.1	2800.3	24.2	19678.4	0.0	56698.13	24.13	61890.02	0.00	83817.62	0.00	95/50
28	1910.9	34.4	2824.5	34.3	19678.4	0.0	56722.26	34.35	61890.02	0.00	83817.62	0.00	95/50
29	1945.3	22.8	2858.8	22.8	19678.4	0.0	56756.61	22.80	61890.02	0.00	83817.62	0.00	95/50
30	1968.1	22.2	2881.6	22.2	19678.4	0.0	56779.41	22.17	61890.02	0.00	83817.62	0.00	95/50
31	1990.3	25.0	2903.8	25.0	19678.4	0.0	56801.58	25.01	61890.02	0.00	83817.62	0.00	95/50



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER**

DISCHARGE MONITORING REPORT (DMR)

NAME: WORCESTER TWP MONTGOMERY CNTY
 ADDRESS: 1721 VALLEY FORGE ROADP. O. BOX 767, WORCESTER, PA , 19490-0767
 FACILITY: VALLEY GREEN STP
 LOCATION: VALLEY FORGE ROAD & DEFFORD ROAD, WORCESTER, PA , 19490
 STAGE: Final Effluent

PA0050393
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 07/01/2024
 DMR Effective To: 07/31/2024
 Permit Expires: 06/30/2026
 Permit Application Due: 01/01/2026
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	07	01	FROM	2024	07	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	SAMPLE MEASUREMENT	***	***		7.39	***	***		1/day	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	***	mg/L	1/day	Grab
pH (00400)	SAMPLE MEASUREMENT	***	***		6.24	***	8.18		1/day	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/day	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	<2.1	3.6		***	<1.8	3.0		1/week	24-Hr Composite
	PERMIT REQUIREMENT	29.0 Avg Mo	44.0 Wkly Avg	lbs/day	***	16.0 Avg Mo	24.0 Wkly Avg	mg/L	1/week	24-Hr Composite
Total Nitrogen (00600)	SAMPLE MEASUREMENT	***	***		***	<42.2	***		1/week	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***	mg/L	1/week	24-Hr Composite
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	.6	***		***	.55	***		1/week	24-Hr Composite
	PERMIT REQUIREMENT	3.7 Avg Mo	***	lbs/day	***	2.0 Avg Mo	***	mg/L	1/week	24-Hr Composite
Total Phosphorus (00665)	SAMPLE MEASUREMENT	.7	***		***	.54	***		1/week	24-Hr Composite
	PERMIT REQUIREMENT	1.1 Avg Mo	***	lbs/day	***	.61 Avg Mo	***	mg/L	1/week	24-Hr Composite
Ultraviolet light intensity (49607)	SAMPLE MEASUREMENT	***	***		.1	***	***		1/day	Metered
	PERMIT REQUIREMENT	***	***		Monitor & Report Daily Min	***	***	µw/cm²	1/day	Metered

**COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF CLEAN WATER**

DISCHARGE MONITORING REPORT (DMR)

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	SAMPLE MEASUREMENT	.1368	.1906	MGD	***	***	***		Continuous	Recorded
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Recorded
Fecal Coliform (74055)	SAMPLE MEASUREMENT	***	***		***	<2	<2	No./100 ml	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	200 Geo Mean	1000 IMAX		1/week	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	SAMPLE MEASUREMENT	<2.9	4.5	lbs/day	***	<2.2	3.0	mg/L	1/week	24-Hr Composite
	PERMIT REQUIREMENT	18.3 Avg Mo	27.5 Wkly Avg		***	10.0 Avg Mo	15.0 Wkly Avg		1/week	24-Hr Composite
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER**

DISCHARGE MONITORING REPORT (DMR)

NAME: WORCESTER TWP MONTGOMERY CNTY
 ADDRESS: 1721 VALLEY FORGE ROADP. O. BOX 767, WORCESTER, PA, 19490-0767
 FACILITY: VALLEY GREEN STP
 LOCATION: VALLEY FORGE ROAD & DEFFORD ROAD, WORCESTER, PA, 19490
 STAGE: Raw Sewage Influent

PA0050393	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 07/01/2024
 DMR Effective To: 07/31/2024
 Permit Expires: 06/30/2026
 Permit Application Due: 01/01/2026
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2024	07	01	FROM	2024	07	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	SAMPLE MEASUREMENT	316	***	lbs/day	***	247	***	mg/L	1/week	24-Hr Composite
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	374	***	lbs/day	***	288	***	mg/L	1/week	24-Hr Composite
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Facility Comments										

ATTACHMENT DETAILS

FILE NAME	ATTACHMENT TYPE	UPLOADED TIME	ATTACHMENT COMMENT
2429797 Inf Eff 7.18.24	Laboratory Analytical Report	8/22/2024 2:00:53 PM	
2430757 Inf Eff 7.25.24	Laboratory Analytical Report	8/22/2024 2:01:18 PM	
W Valley Green DMR Jul 2024	Daily Effluent Monitoring Form	8/22/2024 1:58:19 PM	
2427675 Inf Eff 7.5.24	Laboratory Analytical Report	8/22/2024 2:00:00 PM	
W Valley Green Inf Proc Cntl Jul 2024	Influent and Process Control Form	8/22/2024 1:58:46 PM	
W Valley Green Sludge Form Jul 2024	Sewage Sludge / Biosolids Production and Disposal Form	8/22/2024 1:59:20 PM	
2428882 Inf Eff 7.11.24	Laboratory Analytical Report	8/22/2024 2:00:22 PM	

COMMENT DETAILS

COMMENTS	OPERATOR NAME	OPERATOR CERTIFICATION NUMBER	OPERATOR CONTACT NUMBER
	John Scully	S14080	(215)-766-2626

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

3800-FM-BCW0435 3/2012

Facility Name: Valley Green STP
Municipality: Worcester Twp County: Montgomery Coun
Watershed: 3-E
Laboratories: MJ Reider Associates, Inc

Month: 7 (select number) Year: 2024
Permit No.: PA0050393 Outfall: 001
Renewal application due **180 days** prior to expiration.
This permit will expire on: June 30, 2026

Week	Day	Date	Flow		Fecal Coliform		pH		Dissolved Oxygen		CBOD5		TSS		UV Intensity		Total Nitrogen		NH3-N		Total Phosphorus		BOD5		TSS	
			1	1	1	1	1	1	1	1	1	1	1	1	1	2	RI	RI	1	1	1	1	1	1	1	1
Stage	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MGD	Q	CFU/100 ml	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	%	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L
1	Sun	6/30/24	0.1488																							
	Mon	7/1/24	0.1567			6.47		8.36				0.1														
	Tue	7/2/24	0.0946			6.68		8.41				0.1														
	Wed	7/3/24	0.1182			6.78		8.45				0.1														
	Thu	7/4/24	0.1152			6.42		8.31				0.1														
	Fri	7/5/24	0.1289	<	2.0	6.24		8.22	<	2.0		2.0		<	44.3		0.73		0.27		260.0		237.0			
	Sat	7/6/24	0.1213			7.3		8.15				0.1														
2	Sun	7/7/24	0.1684			7.61		7.39				0.1														
	Mon	7/8/24	0.132			7.69		8.12				0.1														
	Tue	7/9/24	0.1654			7.74		8.31				0.1														
	Wed	7/10/24	0.121			7.68		8.4				0.1														
	Thu	7/11/24	0.1456	<	2.0	7.83		8.03		2.1		3.0		<	48.2		0.55		0.95		241.0		217.0			
	Fri	7/12/24	0.146			7.86		8.27				0.1														
	Sat	7/13/24	0.1103			7.72		8.36				0.1														
3	Sun	7/14/24	0.1163			7.66		8.42				0.1														
	Mon	7/15/24	0.1778			7.51		8.48				0.1														
	Tue	7/16/24	0.1414			7.4		8.37				0.1														
	Wed	7/17/24	0.1258			6.7		8.22				0.1														
	Thu	7/18/24	0.1906	<	2.0	7.14		8.39		2.8	<	1.0		<	34.6		0.04		0.57		271.0		347.0			
	Fri	7/19/24	0.1439			6.85		8.28				0.1														
	Sat	7/20/24	0.1158			7.02		8.38				0.1														
4	Sun	7/21/24	0.1702			6.58		8.36				0.1														
	Mon	7/22/24	0.1384			7.12		8.39				0.1														
	Tue	7/23/24	0.1136			6.92		8.44				0.1														
	Wed	7/24/24	0.1337			6.84		8.31				0.1														
	Thu	7/25/24	0.1445	<	2.0	6.98		8.47		<	2.0		1.0		<	41.5		0.88		0.36		217.0		352.0		
	Fri	7/26/24	0.0932			6.87		8.35				0.1														
	Sat	7/27/24	0.1241			8.18		8.57				0.1														
5	Sun	7/28/24	0.1675			7.56		8.48				0.1														
	Mon	7/29/24	0.1546			7.44		8.49				0.1														
	Tue	7/30/24	0.1461			7.31		8.56				0.1														
	Wed	7/31/24	0.1187			7.2		8.42				0.1														
	Thu	8/1/24																								
	Fri	8/2/24																								
	Sat	8/3/24																								

Statistics for DMIR																											
Daily Minimum (Conc.):	<	2		6.24		7.39	<	2	<	1		0.1	<	34.6		0.04		0.27		217		217					
Daily Maximum (Conc.):	<	2		8.18		8.57	<	2.8	<	3		0.1	<	48.2		0.88		0.95		271		352					
Max Avg Weekly (Conc.):						8.49		3		3		0.1	<	48.2		1		1		271		352					
Avg Monthly (Conc.):						8.33		<	2.2	<	1.8		<	42.2		0.55		0.54		247		288					
Geometric Mean (Conc.):		<	2																								
Max Avg Weekly (Load):	0.1467					10		4.5		3.6		<	<	59		1		1		431		552					
Avg Monthly (Load):	0.1368					9	<	2.9	<	2.1		<	<	53		0.6		0.7		316		374					
Total Monthly (Load):	4.2398					294	<	89.6	<	66.6		<	<	1637		20.0		21.6		9799		11679					
Daily Minimum (Load):	0.0932					6	<	2.2		1.2		<	<	48		0.06		0.3		262		255					
Daily Maximum (Load):	0.1906					13		4.5		3.6		<	<	59		1		1		431		552					

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: John Scully
Title: Operator

License No.: S14080
Date: _____

Facility Name: Valley Green STP
 Municipality: Worcester Twp County: Montgomery
 Watershed: 3-E

Month: July Year: 2024
 NPDES Permit No.: PA0050393
 Renewal application due 180 days prior to expiration.
 This permit will expire on: June 30, 2026

Day	Influent					Process Control			
	Flow (MGD)	BOD ₅ (mg/l)	BOD ₅ (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)	
1	0.0								
2	0.0								
3	0.0								
4	0.0								
5	0.0	260.0	0	237.0	0				
6	0.0								
7	0.0								
8	0.0								
9	0.0								
10	0.0								
11	0.0	241.0	0	217.0	0				
12	0.0								
13	0.0								
14	0.0								
15	0.0								
16	0.0								
17	0.0								
18	0.0	271.0	0	347.0	0				
19	0.0								
20	0.0								
21	0.0								
22	0.0								
23	0.0								
24	0.0								
25	0.0	217.0	0	352.0	0				
26	0.0								
27	0.0								
28	0.0								
29	0.0								
30	0.0								
31	0.0								
Avg		247		288					
Max		271		352					

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: John Scully
 Title: Operator

License No.: S14080
 Date: _____



Certificate of Analysis

M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2427675

Report: 07/17/24

Lab Contact: Rafael A Quijada

Attention: Teresa Peachy

Project Info: Worcester Valley Green NPDES - wkly

Reported To: Private Utility Enterprises, Inc.

1000 E. Walnut St. Suite 721
Perkasie, PA 18944

Lab ID: 2427675-01

Collected By: Client

Sampled: 07/05/24 08:00

Received: 07/05/24 15:10

Sample Desc: Worcester Valley Green Effluent (Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Ammonia as N	0.73	mg/L	0.02	EPA 350.1 Rev 2.0	07/11/24		SNF	2
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/L	2.0	SM 5210 B	07/06/24 9:29		LEH	10
Nitrate as N	43.7	mg/L	1.00	EPA 300.0 Rev 2.1	07/05/24 20:55		KCS	
Nitrite as N	<0.10	mg/L	0.10	EPA 300.0 Rev 2.1	07/05/24 20:55		KCS	
Nitrate+Nitrite as N	<43.80	mg/L	1.10	CALCULATED	07/05/24 20:55		KCS	
Nitrogen, Total	<44.30	mg/L	1.60	CALCULATED	07/15/24 12:13		KMS	
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/L	0.50	EPA 351.2 Rev 2.0	07/15/24		KMS	
Phosphorus as P, Total	0.27	mg/L	0.01	SM 4500-P F	07/11/24		SNF	0.61
Solids, Total Suspended	2	mg/L	1	SM 2540 D	07/08/24		TMH	16

Lab ID: 2427675-02

Collected By: Client

Sampled: 07/05/24 08:00

Received: 07/05/24 15:10

Sample Desc: Worcester Valley Green Effluent (Grab)

Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	Action Level
Microbiology									
Fecal Coliform	<2	CFU/100mL	2	SM 9222 D	7/5/24 16:04	7/6/24 15:07	M-08	ZJB	200

Lab ID: 2427675-03

Collected By: Client

Sampled: 07/05/24 08:00

Received: 07/05/24 15:10

Sample Desc: Worcester Valley Green Influent (Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Biochemical Oxygen Demand	260	mg/L	40.0	SM 5210 B	07/05/24 17:45		SXS	
Solids, Total Suspended	237	mg/L	1	SM 2540 D	07/08/24		TMH	



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Additional accreditations by MID (261)



Certificate of Analysis

M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2428882

Report: 07/22/24

Lab Contact: Rafael A Quijada

Attention: Teresa Peachy

Project Info: Worcester Valley Green NPDES - wkly

Reported To: Private Utility Enterprises, Inc.

1000 E. Walnut St. Suite 721
Perkasie, PA 18944

Lab ID: 2428882-01 **Collected By:** Client

Sampled: 07/11/24 10:05

Received: 07/11/24 15:15

Sample Desc: Worcester Valley Green Effluent (Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Ammonia as N	0.55	mg/L	0.02	EPA 350.1 Rev 2.0	07/12/24		SNF	2
Carbonaceous Biochemical Oxygen Demand	2.1	mg/L	2.0	SM 5210 B	07/12/24 11:15		LEH	10
Nitrate as N	47.6	mg/L	1.00	EPA 300.0 Rev 2.1	07/12/24 0:27		KCS	
Nitrite as N	<0.10	mg/L	0.10	EPA 300.0 Rev 2.1	07/12/24 0:27		KCS	
Nitrate+Nitrite as N	<47.70	mg/L	1.10	CALCULATED	07/12/24 0:27		KCS	
Nitrogen, Total	<48.20	mg/L	1.60	CALCULATED	07/19/24 2:11		SNF	
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/L	0.50	EPA 351.2 Rev 2.0	07/19/24		SNF	
Phosphorus as P, Total	0.95	mg/L	0.01	SM 4500-P F	07/12/24		SNF	0.61
Solids, Total Suspended	3	mg/L	1	SM 2540 D	07/12/24		TMH	16

Lab ID: 2428882-02 **Collected By:** Client

Sampled: 07/11/24 10:05

Received: 07/11/24 15:15

Sample Desc: Worcester Valley Green Effluent (Grab)

Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	Action Level
Microbiology									
Fecal Coliform	<2	CFU/100mL	2	SM 9222 D	7/11/24 16:51	7/12/24 16:02		ZJB	200

Lab ID: 2428882-03 **Collected By:** Client

Sampled: 07/11/24 10:05

Received: 07/11/24 15:15

Sample Desc: Worcester Valley Green Influent (Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Biochemical Oxygen Demand	241	mg/L	13.3	SM 5210 B	07/12/24 12:53	B-01	LEH	
Solids, Total Suspended	217	mg/L	1	SM 2540 D	07/12/24		TMH	



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Additional accreditations by MD (261)



Certificate of Analysis

M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2429797

Report: 07/25/24

Lab Contact: Rafael A Quijada

Attention: Teresa Peachy

Project Info: Worcester Valley Green NPDES - wkly

Reported To: Private Utility Enterprises, Inc.
1000 E. Walnut St. Suite 721
Perkasie, PA 18944

Lab ID: 2429797-01

Collected By: Client

Sampled: 07/18/24 10:10

Received: 07/18/24 13:20

Sample Desc: Worcester Valley Green Effluent (Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Ammonia as N	0.04	mg/L	0.02	EPA 350.1 Rev 2.0	07/23/24		SNF	2
Carbonaceous Biochemical Oxygen Demand	2.8	mg/L	2.0	SM 5210 B	07/19/24 15:08		KXS	10
Nitrate as N	34.0	mg/L	1.00	EPA 300.0 Rev 2.1	07/18/24 18:28		KCS	
Nitrite as N	<0.10	mg/L	0.10	EPA 300.0 Rev 2.1	07/18/24 18:28		KCS	
Nitrate+Nitrite as N	<34.10	mg/L	1.10	CALCULATED	07/18/24 18:28		KCS	
Nitrogen, Total	<34.60	mg/L	1.60	CALCULATED	07/24/24 11:48		SNF	
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/L	0.50	EPA 351.2 Rev 2.0	07/24/24		SNF	
Phosphorus as P, Total	0.57	mg/L	0.01	SM 4500-P F	07/23/24		SNF	0.61
Solids, Total Suspended	<1	mg/L	1	SM 2540 D	07/22/24		ALD	16

Lab ID: 2429797-02

Collected By: Client

Sampled: 07/18/24 10:10

Received: 07/18/24 13:20

Sample Desc: Worcester Valley Green Effluent (Grab)

Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	Action Level
Microbiology									
Fecal Coliform	<2	CFU/100mL	2	SM 9222 D	7/18/24 16:03	7/19/24 14:22		MAC	200

Lab ID: 2429797-03

Collected By: Client

Sampled: 07/18/24 10:10

Received: 07/18/24 13:20

Sample Desc: Worcester Valley Green Influent (Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Biochemical Oxygen Demand	271	mg/L	40.0	SM 5210 B	07/19/24 13:14		KXS	
Solids, Total Suspended	347	mg/L	1	SM 2540 D	07/22/24		ALD	



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2430757

Report: 08/02/24

Lab Contact: Rafael A Quijada

Attention: Teresa Peachy
Reported To: Private Utility Enterprises, Inc.
1000 E. Walnut St. Suite 721
Perkasie, PA 18944

Project Info: Worcester Valley Green NPDES - wkly

Lab ID: 2430757-01 **Collected By:** Client **Sampled:** 07/25/24 10:05 **Received:** 07/25/24 13:30
Sample Desc: Worcester Valley Green Effluent (Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Ammonia as N	0.88	mg/L	0.02	EPA 350.1 Rev 2.0	07/27/24		SNF	2
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/L	2.0	SM 5210 B	07/26/24 15:02	B-01	AAM	10
Nitrate as N	40.9	mg/L	1.00	EPA 300.0 Rev 2.1	07/25/24 16:19		KCS	
Nitrite as N	<0.10	mg/L	0.10	EPA 300.0 Rev 2.1	07/25/24 16:19		KCS	
Nitrate+Nitrite as N	<41.00	mg/L	1.10	CALCULATED	07/25/24 16:19		KCS	
Nitrogen, Total	<41.50	mg/L	1.60	CALCULATED	07/29/24 19:56		KMS	
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/L	0.50	EPA 351.2 Rev 2.0	07/29/24		KMS	
Phosphorus as P, Total	0.36	mg/L	0.01	SM 4500-P F	07/27/24		SNF	0.61
Solids, Total Suspended	1	mg/L	1	SM 2540 D	07/26/24		ALD	16

Lab ID: 2430757-02 **Collected By:** Client **Sampled:** 07/25/24 10:05 **Received:** 07/25/24 13:30
Sample Desc: Worcester Valley Green Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	Action Level
Microbiology									
Fecal Coliform	<2	CFU/100mL	2	SM 9222 D	7/25/24 15:55	7/26/24 14:27		ZJB	200

Lab ID: 2430757-03 **Collected By:** Client **Sampled:** 07/25/24 10:05 **Received:** 07/25/24 13:30
Sample Desc: Worcester Valley Green Influent (Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	Action Level
General Chemistry								
Biochemical Oxygen Demand	217	mg/L	13.3	SM 5210 B	07/26/24 16:00		KMD	
Solids, Total Suspended	352	mg/L	1	SM 2540 D	07/26/24		ALD	



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VALLEY GREEN WWTP DITCHES 1 & 2

Worcester

NPDES PERMIT # PA0050939

Month: July

Year:

2024

DEC = Decanting

#1

DAY	Blower		Blower		Blower		Blower		Compressor	Filter Clearwell Lift Pumps			
	1	PSI	2	PSI	3	PSI	4	PSI		PSI	1	D/H	2
1	6555.1	8.0	6554.9	7.2	3750.4	7.2	4748.9	7.2					
2	6580.6	8.2	6580.4	7.0	3776.0	6.8	4748.9	6.8					
3	6601.9	8.2	6681.7	7.2	3797.3	7.0	4748.9	7.0					
4	6624.2	8.2	6624.0	7.2	3819.6	7.0	4748.9	7.0					
5	6646.7	8.2	6646.5	7.0	3842.1	7.0	4748.9	7.0					
6	6672.7	8.2	6672.5	7.0	3865.4	7.0	4748.9	7.0					
7	6696.3	8.2	6696.1	7.0	3889.0	7.0	4748.9	7.0					
8	6723.9	8.0	6723.7	7.0	3889.0	0.0	4748.9	0.0					
9	6743.1	8.0	6742.9	7.0	3889.0	5.2	4748.9	5.2					
10	6772.3	8.0	6772.0	7.2	3914.7	6.2	4748.9	6.2					
11	6793.0	8.2	6792.8	7.2	3935.5	6.0	4748.9	6.0					
12	6818.1	8.4	6817.9	7.4	3960.8	6.8	4748.9	6.0					
13	6844.5	8.0	6844.3	7.0	3987.0	6.0	4748.9	6.2					
14	6866.9	8.0	6866.7	7.2	4009.4	6.2	4748.9	6.2					
15	6891.9	7.8	6891.7	7.0	4009.4	6.0	4748.9	6.2					
16	6915.7	7.4	6915.5	6.8	4033.2	6.0	4748.9	6.0					
17	6939.2	7.8	6939.0	7.0	4056.7	6.6	4748.9	6.6					
18	6950.5	8.2	6950.3	7.6	4057.1	0.0	4748.9	0.0					
19	6987.1	8.2	6986.9	7.4	4057.1	6.0	4748.9	6.0					
20	7012.0	8.2	7011.9	7.5	4082.1	6.0	4748.9	6.0					
21	7031.5	8.0	7031.3	7.6	4101.5	6.0	4748.9	6.0					
22	7060.0	8.0	7059.8	7.0	4130.1	6.8	4748.9	6.8					
23	7084.7	8.0	7084.5	7.2	4130.1	0.0	4748.9	0.0					
24	7107.2	8.0	7107.0	7.0	4130.1	6.4	4748.9	6.4					
25	7129.4	8.2	7129.2	7.4	4152.2	7.0	4748.9	7.0					
26	7156.3	8.2	7156.1	7.4	4179.2	7.0	4748.9	7.0					
27	7173.6	8.2	7173.6	7.4	4196.7	7.0	4748.9	7.0					
28	7198.0	8.2	7197.8	7.4	4220.9	7.0	4748.9	0.0					
29	7225.5	8.2	7225.3	7.4	4220.9	0.0	4748.9	0.0					
30	7249.4	8.0	7249.8	7.2	4220.9	0.0	4748.9	0.0					
31	7275.1	7.8	7275.5	7.0	4243.0	5.8	4748.9	5.8					

**Valley Green
Worcester**

NPDES PERMIT # PA0050393

Month: July

Year: 2024

#2

DAY	Op Int	Influent		Effluent			Influent PH	Effluent				
		Totalizer	GPD	Totalizer x 10	GPM	MGD		PH	DO	NH3	Phos	NO3
1	JO	21758461	0.000000	3738832	68	0.1567		6.47	8.36	0.4	0.3	
2	JO	21758461	0.000000	3740399	35	0.0946		6.68	8.41	0.3	0.3	
3	JO	21758461	0.000000	3741345	112	0.1182		6.78	8.45	0.3	0.3	
4	JO	21758461	0.000000	3742527	123	0.1152		6.42	8.31	0.3	0.3	
5	JO	21758461	0.000000	3743679	6	0.1289		6.24	8.22	0.3	0.2	
6	MB	21758461	0.000000	3744968	78	0.1213		7.30	8.15	0.6		
7	MB	21758461	0.000000	3746181	72	0.1684		7.61	7.39	0.4		
8	JO	21758461	0.000000	3747865	75	0.1320		7.69	8.12	0.3	0.3	
9	JO	21758461	0.000000	3749185	98	0.1654		7.74	8.31	0.3	0.3	
10	JO	21758461	0.000000	3750839	157	0.1210		7.68	8.40	0.3	0.3	
11	JO	21758461	0.000000	3752049	80	0.1456		7.83	8.03	0.1	0.5	
12	JO	21758461	0.000000	3753505	94	0.1460		7.86	8.27	0.1	0.6	
13	JO	21758461	0.000000	3754965	87	0.1103		7.72	8.36	0.1	0.5	
14	JO	21758461	0.000000	3756068	20	0.1163		7.66	8.42	0.1	0.5	
15	JO	21758461	0.000000	3757231	40	0.1778		7.51	8.48	0.1	0.5	
16	JO	21758461	0.000000	3759009	16	0.1414		7.40	8.37	0.1	0.4	
17	JO	21758461	0.000000	3760423	55	0.1258		6.70	8.22	0.2	0.2	
18	JO	21758461	0.000000	3761681	95	0.1906		7.14	8.39	0.2	0.2	
19	JO	21758461	0.000000	3763587	86	0.1439		6.85	8.28	0.2	0.4	
20	CW	21758461	0.000000	3765026	45	0.1158		7.02	8.38	0.2		
21	CW	21758461	0.000000	3766184	36	0.1702		6.58	8.36	0.2		
22	JO	21758461	0.000000	3767886	42	0.1384		7.12	8.39	0.2	0.4	
23	JO	21758461	0.000000	3769270	44	0.1136		6.92	8.44	0.2	0.4	
24	JO	21758461	0.000000	3770406	65	0.1337		6.84	8.31	0.2	0.4	
25	JO	21758461	0.000000	3771743	51	0.1445		6.98	8.47	0.2	0.4	
26	JO	21758461	0.000000	3773188	112	0.0932		6.87	8.35	0.2	0.4	
27	MB	21758461	0.000000	3774120	40	0.1241		8.18	8.57	0.2		
28	MB	21758461	0.000000	3775361	45	0.1675		7.56	8.48	0.2		
29	JO	21758461	0.000000	3777036	86	0.1546		7.44	8.49	0.2	0.3	
30	JO	21758461	0.000000	3778582	82	0.1461		7.31	8.56	0.2	0.3	
31	JO	21758461	0.000000	3780043	28	0.1187		7.20	8.42	0.2	0.3	
		Average:	0.0000		Avg:	0.1368	Min:	6.24	7.39			
		Max:	0.00		Total:	4.2398	Max:	8.18	8.57			

VALLEY GREEN WWTP

Worcester

NPDES PERMIT # PA0050939

Month:

July

Year:

2024

Aeration Ditches 1 & 2

#3

DAY	Sode Ash Usage				Location: Inf Wet Well - Inf Pumps				Main Blower 1 PSI	Main Blower 2 PSI	EQ Blower PSI	Post Aeration Blower PSI			
	Side	Side	Side	Side	Pump	D/H	Pump	D/H							
	1	2	3	4	1		2								
1	25	25	25	25	8718.9	0.0	7377.1	5.6	52117.9		36639.4	8.2	71621.7		70135.8
2	25	25	25	25	8718.9	0.0	7382.7	4.1	52117.9		36661.8	8.0	71621.7		70135.8
3	25	25	25	25	8718.9	0.0	7386.8	4.4	52117.9		36683.0	8.0	71621.7		70135.8
4	25	25	25	25	8718.9	0.0	7391.2	4.1	52117.9		36705.4	8.2	71621.7		70135.8
5	25	25	25	25	8718.9	0.0	7395.3	5.4	52117.9		36728.0	8.0	71621.7		70135.8
6	50	50	50	50	8718.9	0.0	7400.7	4.7	52117.9		36753.9	8.0	71621.7		70135.8
7	50	50	50	50	8718.9	0.0	7405.4	5.3	52117.9		36777.5		71621.7		70135.8
8	25	25	25	25	8718.9	0.0	7410.7	4.6	52117.9		36802.4	8.0	71621.7		70135.8
9	25	25	25	25	8718.9	0.0	7415.3	5.6	52117.9		36825.9	7.8	71621.7		70135.8
10	25	25	25	25	8718.9	0.0	7420.9	5.0	52117.9		36853.5	7.4	71621.7		70135.8
11	25	25	25	25	8718.9	0.0	7425.9	5.7	52117.9		36874.2	7.6	71621.7		70135.8
12	25	25	25	25	8718.9	0.0	7431.6	6.1	52117.9		36899.3	8.0	71621.7		70135.8
13	25	25	25	25	8718.9	0.0	7437.7	4.7	52117.9		36925.7	7.8	71621.7		70135.8
14	25	25	25	25	8718.9	0.0	7442.4	5.0	52117.9		36948.2	7.8	71621.7		70135.8
15	25	25	25	25	8718.9	0.0	7447.4	6.5	52117.9		36972.9	8.0	71621.7		70135.8
16	25	25	25	25	8718.9	0.0	7453.9	5.3	52117.9		36996.0	7.0	71621.7		70135.8
17	25	25	25	25	8718.9	0.0	7459.2	4.5	52117.9		37019.4	7.4	71623.1	5.2	70135.8
18	25	25	25	25	8718.9	0.0	7463.7	5.8	52117.9		37040.6	7.4	71623.4	5.6	70135.8
19	25	25	25	25	8718.9	0.0	7469.5	5.7	52117.9		37066.5	8.0	71626.4	5.0	70135.8
20	50	50	50	50	8718.9	0.0	7475.2	3.8	52117.9		37092.1	8.0	71629.2	5.5	70135.8
21	50	50	50	50	8718.9	0.0	7479.0	6.1	52117.9		37112.6	8.0	71629.2	5.0	70135.8
22	25	25	25	25	8718.9	0.0	7485.1	6.2	52117.9		37138.5	8.0	71629.2	5.2	70135.8
23	25	25	25	25	8718.9	0.0	7491.3	4.4	52117.9		37164.2	8.0	71654.9	5.0	70135.8
24	25	25	25	25	8718.9	0.0	7495.7	4.0	52117.9		37188.6	8.2	71679.4	5.2	70135.8
25	25	25	25	25	8718.9	0.0	7499.7	6.1	52117.9		37209.8	8.2	71701.3	5.0	70135.8
26	25	25	25	25	8718.9	0.0	7505.8	3.1	52117.9		37236.7	8.2	71728.2	5.0	70135.8
27	50	50	50	50	8718.9	0.0	7508.9	5.4	52117.9		37254.2	8.2	71745.7	5.0	70135.8
28	50	50	50	50	8718.9	0.0	7514.3	7.0	52117.9		37278.4	8.2	71769.9	5.0	70135.8
29	25	25	25	25	8718.9	0.0	7521.3	5.2	52117.9		37308.0	8.2	71799.4	5.2	70135.8
30	25	25	25	25	8718.9	0.0	7526.5	5.4	52117.9		37330.3	7.8	71821.8	4.4	70135.8
31	25	25	25	25	8718.9	0.0	7531.9	4.9	52117.9		37356.0	7.8	71847.5	4.4	70135.8

VALLEY GREEN WWTP

Worcester

NPDES PERMIT # PA0050939

Month:

July

Year:

2024

#4

DAY	Aluminum Chloride Pump Settings %					Sludge Removal	Daily UV	UV Hours	Weekly	Auto - Dialer	Gen Remote	Rain	Outside Temp
	Tote Inches	Side 1	Side 2	Side 3	Side 4				Outfall Inspt		Display Panel	Fall Inches	
1	OK	4	4	4	4		✓	28747		✓	348.30	0.00	79
2	OK	4	4	4	4		✓	28776		✓	349.00	0.00	82
3	OK	6	6	6	6		✓	28798		✓	349.00	0.00	85
4	OK	6	6	6	6		✓	28820		✓	349.00	0.00	82
5	OK	9	9	9	9		✓	28842		✓	349.00	0.00	82
6	ND	6	6	6	6		✓	28868		✓	349.00	0.00	92
7	OK	6	6	6	6		✓	28892		✓	349.00	0.00	89
8	OK	7	7	7	7		✓	28920		✓	349.00	0.00	95
9	OK	7	7	7	7		✓	28939		✓	349.00	0.00	93
10	OK	7	7	7	7		✓	28969		✓	349.30	0.00	92
11	OK	10	10	10	10		✓	28988		✓	349.30	0.00	84
12	OK	10	10	10	10		✓	29014		✓	349.30	0.00	78
13	NT	10	10	10	10		✓	29040		✓	349.30	0.00	91
14	OK	10	10	10	10		✓	29063		✓	349.30	0.00	89
15	OK	10	10	10	10		✓	29086		✓	350.06	0.00	97
16	OK	6	6	6	6		✓	29110		✓	350.06	0.00	97
17	OK	6	6	6	6		✓	29134		✓	350.06	0.55	91
18	OK	8	8	8	8		✓	29153		✓	350.06	0.45	78
19	OK	8	8	8	8		✓	29182		✓	350.06	0.00	79
20	OK	8	8	8	8		✓	29202		✓	350.06	0.00	82
21	OK	8	8	8	8		✓	29226		✓	350.06	0.00	84
22	OK	8	8	8	8		✓	29252		✓	350.36	0.00	82
23	NT	8	8	8	8		✓	29274		✓	350.36	0.00	84
24	OK	8	8	8	8		✓	29302		✓	350.36	0.00	79
25	OK	8	8	8	8		✓	29324		✓	350.36	0.00	81
26	OK	8	8	8	8		✓	29351		✓	350.36	0.00	84
27	OK	8	8	8	8		✓	29374		✓	350.36	0.00	75
28	OK	8	8	8	8		✓	29398		✓	350.36	0.00	77
29	OK	8	8	8	8		✓	29420		✓	350.36	0.00	86
30	OK	8	8	8	8		✓	29443		✓	351.06	0.00	84
31	OK	8	8	8	8		✓	29470		✓	351.06	0.00	86



June 12, 2024

WORCE 24002P

Worcester Township
Attn: Jay Finnigan, Interim Township Manager
1721 South Valley Forge Road
P.O. Box 767
Worcester, Pennsylvania 19490

**RE: ENVIRONMENTAL CONSULTING SERVICES
WORCESTER TOWNSHIP, PENNSYLVANIA 19403**

Dear Mr. Finnigan:

Pennoni has prepared this proposal to provide ad-hoc third-party environmental consulting services to Worcester Township (the Client). The services outlined in this proposal are based on Pennoni's understanding of the Client's needs with respect to environmental consulting.

SCOPE OF SERVICES

Pennoni will provide environmental consulting services on an ad-hoc basis as requested by the Client including but not limited to the following:

- environmental site assessments (e.g., Phase I Environmental Site Assessments);
- soil, groundwater, and soil gas investigations;
- site remediation;
- underground storage tank removal;
- environmental regulatory compliance audits and permitting;
- environmental engineering;
- industrial hygiene services including hazardous building material (e.g., asbestos-containing materials, lead-based paint, hazardous materials, etc.) surveys and testing; and
- regulatory agency coordination and communication.

SCHEDULE

This proposal includes services provided in the year 2024. Pennoni is prepared to provide the above services upon request. The time required for each type of service will vary.

FEE

We will bill for these services in accordance with the attached schedule of fees.

BILLING AND PAYMENT

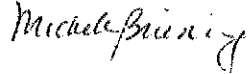
An invoice for professional services completed will be presented for payment on a monthly basis. Invoices are due upon receipt. The Client acknowledges that the method of billing and payment has been discussed in detail, that the terms agreed upon can only be changed by a written addendum agreed to by both parties, and that work may be stopped until payment is made in accordance with the agreement.

TERMS AND CONDITIONS

Pennoni Associates Inc. General Terms and Conditions (Form LE01 09/2023) are attached hereto and are considered as part of the scope of services. The Client indicates by the execution of this proposal that they have reviewed and understand the General Terms and Conditions.

Thank you for affording us the opportunity to work with you on this project. If you have any questions, please feel free to call us.

Sincerely,
PENNONI ASSOCIATES INC.



Michele Briening, PE, LSRP, CEM
Environmental Division Manager



Khaled R. Hassan, PE
Vice President

Attachments

Please indicate your acceptance of this proposal by signing and returning a copy as our authorization to proceed. In signing this proposal, the Client authorizes Pennoni to complete the professional services outlined in this proposal.

ACCEPTED BY:

(Authorized Representative of the Client)

(Print Name & Title)

(Date)



Municipal Billing Rates

2024 SCHEDULE OF FEES

Pennoni provides engineering consulting services to its clients in accordance with the terms and conditions of our contract. Pennoni's compensation will be based on the following schedule of fees and charges unless our contract specifies otherwise.

LABOR CATEGORY	RATES: \$/HOUR
Senior Principal Professional.....	\$260
Principal Professional.....	\$244
Senior Professional.....	\$208
Project Professional.....	\$190
Staff Professional.....	\$188
Associate Professional.....	\$174
Graduate Professional.....	\$150
Technician III.....	\$134
Technician II.....	\$122
Technician I.....	\$118
Survey Crew.....	\$300
Senior Field Technician.....	\$140
Field Technician.....	\$120
Laboratory Technician.....	\$105
Building Code Official.....	\$120
Project Assistant.....	\$ 88

- ▶ Add 15% to above Survey Crew rates when OSHA 40-hour training required
- ▶ Technical Support/Expert Testimony Fee provided upon request
- ▶ 3 Person Survey Crew rates for roadwork provided upon request

"Professional" includes all disciplines (Engineer, Planner, Landscape Architect, Surveyor, Geologist, etc.)

EXPENSES:

We do not bill for travel expenses, postage, reproduction, or clerical work associated with day-to-day Correspondence.



September 9, 2024
P-HA009797

VIA EMAIL (jfinnigan@worcestertwp.com)

The Board of Supervisors
Care of: John (Jay) J. Finnigan, Jr. – Interim Township Manager
Township of Worcester
1721 Valley Forge Road
P.O. Box 767
Worcester, PA 19490-0767

Subject: Proposal to Provide Professional Environmental Engineering/Consulting Services to Worcester Township, Montgomery County, Pennsylvania.

To the Worcester Township Board of Supervisors:

Penn Environmental & Remediation, Inc. (Penn E&R) is providing this proposal to the Worcester Township Board of Supervisors (also referred to herein as the Board or Client) via our contact with the interim township manager, Jay Finnigan. This proposal provides a summary of our current understanding of the anticipated scope of work, Penn E&R's Schedule of Rates, Terms & Conditions, and key elements representing our Qualifications and Experience.

PROJECT UNDERSTANDING

Based upon our initial discussions with Mr. Finnigan and Mr. DeMeno, Penn E&R's understanding of the likely project tasks may include the following:

- Review of land development submissions associated with 2974 Germantown Pike (Site) wherein a former junkyard/gasoline station property is being considered for private re-development with two apartment buildings. The Board anticipates that these submissions will include environmental technical reports associated with the developer's enrolment of this Site in Pennsylvania's Land Recycling and Environmental Remediation Standards Act (Act 2) program.
- Evaluate current environmental conditions at a former Nike missile property (also a potential project Site) located within the Township. These conditions may include the presence of per- and polyfluoroalkyl substances (PFAS) recently designed as hazardous materials by the Environmental Protection Agency (EPA), and recently were listed with initial statewide health standard concentrations by the Pennsylvania Department of Environmental Protection (PADEP).
- Engineering/environmental technical support of the Planning Commission's review of other proposed land developments, other matters pertaining to the Board of Supervisors, or assisting the Township with environmental components associated with the proper maintenance or expansion of existing water supplies, wastewater treatment plants or other Township infrastructures, upon request.

Based upon this project understanding and our collaboration with Mr. Finnigan and Mr. DeMeno, the likely initial work elements for Penn E&R could include the following Scope of Work.

SCOPE OF WORK

Based on our current understanding of the Township's needs, Penn E&R's services will generally consist of the following, at a minimum:

- general environmental engineering/consulting;
 - professional technical review of environmental elements of future land developer submittals for 2974 Germantown Pike (Site) wherein a former junkyard/gasoline station property is being considered for re-development with two apartment buildings; and,
 - a former Nike missile property (Site) wherein PFAS and other potentially hazardous constituents may be present.
- environmental site assessment reviews (e.g., Phase I Environmental Site Assessments);
- Phase II soil, ground water, and soil gas investigations;
- site remediation;
- underground storage tank removal;
- environmental regulatory compliance audits and permitting;
- industrial hygiene tasks including hazardous building material (e.g., asbestos-containing materials, lead-based paint, other types of hazardous materials) surveys and testing; and
- regulatory agency coordination and communication if specifically requested by the Board/Client. This regulatory coordination may include communications with the PADEP Act 2 program staff representing the Southeastern Region who are very familiar with Penn E&R's successful and reliable Act 2 project work. Penn E&R has been performing Act 2 projects since 1995 when the Act 2 program was first promulgated.

As needed, Penn E&R's team of licensed professional geologists, site civil and environmental engineers, land surveyors, professional wetland scientists, and threatened and endangered species specialists can also provide a wide range of expertise on other issues or needs that the Township may encounter in serving their residents.

PROJECT COSTING

As requested, Penn E&R proposes to complete the services outlined above on a Time & Materials basis in accordance with the attached municipal Schedule of Rates for Worcester Township, and our Terms and Conditions (included as **Attachment A**).

SCHEDULE

We understand from our initial discussion that the Township may elect to assign work for the 2974 Germantown Pike Site this month, in order to quickly begin the review process of proposed Land Development documents. Please note that Penn E&R will make every effort possible to meet the Township's scheduling needs, throughout our service to the Township.

QUALIFICATIONS & EXPERIENCE

As summarized in this proposal (including the associated attachments), Penn E&R is well qualified for the subject scope of work because we have a deep and practical command of the Act 2 program by self-performing our own Act 2 Site Assessment and Remediation work for properties similar to the two subject Sites listed by the Township. In addition to performing our own land development engineering/permitting

work, please note that we also have current experience serving municipalities as part of our clientele and have two Penn E&R individuals with Pennsylvania Township manager experience. Further presentation of our qualifications and experience is as follows.

Please find in **Attachment B** four representative Penn E&R Act 2 project case narratives (and a list of more Act 2 Sites) as follows:

- Dupont Junkyard Environmental Remediation Project located in New Castle, PA;
- Act 2 Characterization & Remediation Project for the former Worthington Industries Site (now a mixed-use property with high density residential condominium/apartment development) in Malvern, PA;
- Act 2 Soil Characterization and Remediation at Riverview Landing (a condominium/apartment development) located in Lower Providence Township, PA.
- Act 2 and Superfund Closure for the Former Elf Atochem Chemical Plant in Bensalem, PA (which also includes dense residential/condominium use); and
- To further present our qualifications/experience, we have added a representative list of more than 32 other Act 2 Investigation and Remediation Sites where Penn E&R was formative in protecting human health and the environment through the selection of reliable and reasonable environmental re-development solutions.

In addition, please find in **Attachment C**, five representative land development projects including an apartment and mixed-use residential development.

Please also find in **Attachment D** representative resumes of Penn E&R team members who are available for the project. Additional Penn E&R members will also be available to serve Worcester Township, as may be necessary.

As presented in **Attachment E**, Penn E&R provides a broad array of municipal engineering/environmental and construction services to its clients across various industries. Our team of practicing engineers, geologists, scientists, surveyors, ecological/wetlands experts and technicians have vast collective experience reviewing, designing, and implementing innovative, cost-effective solutions while providing dedicated, responsive service. This dedicated service includes the following primary markets that we serve:

- | | |
|--|--|
| • Environmental Assessment & Remediation | • Mining |
| • Engineering & Municipal Engineering | • Water Supply & Wastewater Treatment |
| • Construction | • Hydrogeologic Investigation |
| • Land Development | • Insurance, Litigation Support and Expert Testimony |
| • Oil & Gas | |

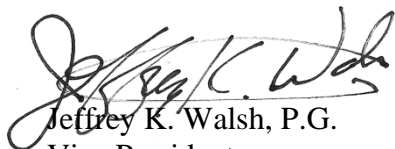
In closing, our Doylestown team is well positioned to provide responsive service to the Township for the requested services, and more. We look forward to an opportunity to serve Worcester Township and are available to discuss or present Penn E&R's qualifications and experience further.

AUTHORIZATION

Receipt of this signed proposal or other acceptable written form of authorization will complete the contract between the Township of Worcester/Client and Penn Environmental & Remediation, Inc.

Should you have any questions or comments regarding this proposal or require additional information, please do not hesitate to call us. Penn E&R appreciates the opportunity to assist you and we look forward to the successful completion of these tasks and other opportunities to serve the Township.

Sincerely,
PENN ENVIRONMENTAL & REMEDIATION, INC.



Jeffrey K. Walsh, P.G.
Vice President
(cell 267.718.7568)



David Bausmith, P.E.
Vice President
(cell 908.328.8509)

Enclosures

AUTHORIZED AND ACCEPTED BY:

Signature

Date

Print Name/Title

cc: Daniel (Dan) DeMeno, Township Mgr. - Worcester Township (**ddemeno@worcestertwp.com**)

- Attachment A – Schedule of Rates and Term & Conditions
- Attachment B – Act 2 Representative Case Studies
- Attachment C – Land Development Representative Case Studies
- Attachment D – Representative Resumes
- Attachment E – Penn E&R Statement of Qualifications

ATTACHMENT A
Schedule of Rates
Terms & Conditions



Penn Environmental & Remediation, Inc.
2024 Rates for Professional Services
Worcester Township Municipal Projects

Professional Title	Hourly Rate
Technician/Administrative Assistant	\$80.00
Technical Assistant	\$100.00
Environmental & Engineer Assistant	\$115.00
Junior Scientist & Engineer	\$130.00
Staff Scientist & Engineer	\$145.00
Project Scientist & Engineer	\$160.00
Senior Project Scientist & Engineer	\$175.00
Project Manager	\$190.00
Senior Manager	\$210.00
Project Consultant	\$230.00

Expenses & Other Direct Costs

Out-of-pocket expenses, travel and subsistence, supplies, telephone, computer, copying and other project related expenses will be billed with a 5% markup or as a percentage of labor expense.

Subcontract & Related Charges

Subcontracts negotiated by and made with Penn E&R on behalf of our clients will be marked up 10%. All equipment rentals and materials purchased for the execution of the project will be billed at cost plus a 10% markup.

Vehicle Charges

Mileage will be charged at ninety cents (\$0.90) per mile. This rate may be adjusted based on the price of fuel.

Payment Terms

Normal payment terms are net due upon receipt of invoice, subject to a 1.5% per month fee. Professional billing rates are subject to change annually or upon 30 days' notice.

Note

Overtime, when required, will be billed at 1.5x the hourly rate.



TERMS AND CONDITIONS

1. General. The terms and conditions set forth herein constitute the sole and entire agreement between Penn Environmental and Remediation, Inc. (hereinafter referred to as "PENN E&R") and the Client. These terms supersede all prior and contemporaneous agreements, understandings, inducements or conditions, express or implied, oral or written, relating hereto. The terms and conditions set forth herein cannot be modified, amended, added to, or otherwise changed unless such modification or amendment is in writing signed by both parties hereto. Any terms and conditions specified on a Client's purchase order, if any, or any other communication which is in conflict with, inconsistent with, or in addition to the terms and conditions contained herein shall be superseded by the terms and conditions hereof and shall not be binding upon PENN E&R unless expressly accepted in writing by PENN E&R.

2. Offer. Any proposal submitted by PENN E&R shall be valid until 90 days from the date as shown on the transmittal letter unless otherwise specified in the transmittal letter or the proposal. Any additional offer by PENN E&R shall be governed by these Terms and Conditions.

3. Proposal Assumptions & Binding Authorization. The provisions of a proposal and the compensation payable to PENN E&R therein have been established in anticipation of the orderly and continuous progress of the project. PENN E&R's obligation to render services at the fee specified therein will extend only for that period which may reasonably be required to complete the services in an orderly and continuous manner. Any services rendered by PENN E&R over and above the scope of work detailed in the proposal or for work required due to differing field conditions or any direction from the Client, be it verbal or written, shall be billed to the Client on a time and material basis and by Client authorizing the work contemplated by the subject change in any form, including Client Purchase Order, verbal communication, text or email, Client thereby obligates itself to pay any such upcharge for any such change. Any physical samples collected as part of any activity performed for Client will be returned to Client or disposed of at Client's expense.

4. Terms of Payment. Payment of invoices shall be due upon receipt of invoice. Payments overdue more than 30 days are subject to a monthly service charge of 1-1/2%. Client agrees to pay all expenses incurred in collecting delinquent accounts, including legal fees. If the financial condition of the Client at any time does not, in the sole judgment of PENN E&R justify continuance of the work to be performed or, in the event of the bankruptcy or other insolvency action brought by or against Client, PENN E&R may discontinue all work or, at its election, may require full or partial payment in advance of continuing any work. Client waives any and all rights to proceed against PENN E&R with respect to the actions of PENN E&R taken pursuant to this paragraph. Client shall remain liable for any and all outstanding fees and expenses due to PENN E&R pursuant to the terms of its proposal and all terms and conditions stated herein.

5. Labor Fees. Estimates of labor fees provided to client by PENN E&R are based on PENN E&R employees not exceeding an eight (8) hour work day or a forty (40) hour work week. In the event, at PENN E&R's sole discretion, PENN E&R determines it necessary for PENN E&R employees to work in excess of eight (8) hours in any one day or in excess of forty (40) hours in any seven day week, then client shall be responsible to pay any and all additional labor fees assessed by PENN E&R whether or not such additional fees cause the total cost billed by PENN E&R to exceed the cost specified in any estimate or proposal provided by PENN E&R.

6. Non-Exclusive Remedies. No remedy or right conferred upon, or reserved to PENN E&R, is intended to be to the exclusion of any other remedy or right, but each and every such remedy or right shall be cumulative and shall be in addition to each and every other remedy or right given hereunder now or hereafter existing at law or in equity.

7. Client Responsibilities. The Client or its authorized representatives will provide PENN E&R with all information requested by PENN E&R to enable PENN E&R to provide these services described above, in addition to any and all items of information, including, but not limited to, reports, plans, drawings, surveys, test results or any other developments or occurrences which may impact the services to be provided by PENN E&R. PENN E&R shall not be responsible for any errors or omissions or additional costs arising out of its reliance upon information supplied by Client or Client's representatives.

On projects involving subsurface work, PENN E&R will make reasonable and customary efforts to locate subsurface utilities, piping, tanks, structures, etc., so as to avoid encountering such objects. However, by authorizing the subject work, Client shall accept any and all cost and liability associated with PENN E&R, its assigns or its Subcontractors or assigns, encountering or damaging any underground object, line, pipe, fixture, tank, communication devise or any object of any nature, and shall be responsible for any and all repairs to such.

8. Limitation of Liability. PENN E&R warrants that its services are performed with usual thoroughness and competence of the consulting profession, in accordance with the standard for professional services at the time those services are rendered. No other warranty or representation, either expressed or implied, is included or intended in PENN E&R's proposals, contracts or reports. The standard of care shall exclusively be judged as of the time the services are rendered. PENN E&R makes no warranties, expressed or implied and hereby specifically negates any implied warranty with respect to the services described in any proposal. In no event shall PENN E&R be liable for any special, indirect, incidental, consequential, or punitive damages of any character whether suffered by client or any third party, irrespective of whether claims or actions for such damages are based upon contract, warranty, negligence, strict liability or otherwise.

PENN E&R carries worker's compensation insurance, liability insurance and automobile coverage and will furnish information and certificates for the foregoing at the Client's request. PENN E&R shall not be liable for any loss or damage beyond the amount, limits, exclusions and conditions of its insurance even in the event of its negligence or intentional acts.

9. Indemnification. In the event that any person, firm or corporation asserts any claim against PENN E&R arising out of any act or omission of Client, or arising due to Client's failure to notify as set forth above, then in either of such events, Client agrees to indemnify and save PENN E&R, its employees, subcontractors or agents harmless from and against all liability, loss, cost and expense (including reasonable attorney's fees) arising out of any such claim. The parties acknowledge that the scope of work covered in any proposal may deal with the existence of hazardous, toxic, irritant, or otherwise dangerous substances or site conditions and acknowledge that the indemnification above shall apply to all claims, losses, damages, liability and costs through any cause of action caused by an act or omission of client, at law or in equity, arising out of the actual presence, release, treatment, storage, transportation, sampling, disposal or migration of such conditions without regard to any limitation of liability herein.

In the event that any person, firm or corporation asserts any claim against Client arising out of any omission of PENN E&R, then PENN E&R agrees to indemnify and save Client, their employees, subcontractors or agents harmless from and against all liability, loss, cost and expense (including reasonable attorneys' fees) arising out of any such claim.

10. Force Majeure. PENN E&R shall not be liable for any failure to discharge its obligations herein due to strikes, differences with workers, accidents, fires or shutdowns, orders or requirements of the United States government or any state or local government or agencies, emergency conditions, illnesses or pandemics or any other contingency beyond the control of PENN E&R.

11. Confidentiality. All reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, drawings and other documents we prepare (collectively referred to as "Proprietary Information"), shall remain our property. The Client agrees that all documents furnished to the Client or its agents, which are not paid for, will be returned upon demand. No proprietary information will be used by the Client for any purpose whatsoever other than as set forth in the proposal. PENN E&R will retain pertinent records relating to the services performed for a period of one year following submission of the report. No contractual relationship or cause of action in favor of any third party shall be deemed to be created as a result of the work to be performed by PENN E&R pursuant to its proposal or the dissemination of a report thereon, whether authorized or unauthorized, by or on behalf of the Client.

12. Permits, Surveys, etc. Unless otherwise specifically specified in a proposal, it will be the Client's duty to pay for all permits, inspectors' fees, licenses, fines, or any other charges, from local, state or federal officials to conduct or resulting from the work envisioned by a proposal.

13. Termination. This agreement shall remain in effect until it is terminated by either party by the sending of written notice of such termination to the other party. Such termination shall be effective immediately upon receipt. Client shall be responsible to PENN E&R for the payment of all outstanding invoices as well as all unbilled time and expenses (including charges of its subcontractors, if any) and all charges necessary to demobilize or otherwise cease work. Client shall be responsible to properly secure any Site or property being worked on by PENN E&R or its assigns or Subcontractors. By electing to terminate any work planned to be conducted by PENN E&R, Client thereby waives any and all rights to dismiss or Client shall be responsible for any and all costs, including, but not limited to, clerical and photocopy charges, incurred to transfer any files or portions thereof to another party.

14. Governing Law. These terms and conditions, the proposal and any matter arising between the parties shall be governed and construed in accordance with the laws of the Commonwealth of Pennsylvania.

15. Waiver. The waiver by either party hereto of its rights arising out of, or in connection with the breach, failure or default herein by the other party hereto will not be deemed to operate or be construed to operate as a waiver of any subsequent breach or a continuing breach, failure or default. All waivers must be in writing and signed to be effective.

16. Right of Entry. The Client will furnish, or cause to be furnished, right of way on/in the land or building for PENN E&R to perform its activities.

17. Assignment. Neither party may transfer or assign this agreement or any interest herein by operation of law or otherwise, without the prior express written consent of PENN E&R and any attempted transfer or assignment of this agreement or any rights or duties hereunder without such consent shall be void.

18. Notices. All notices and other communications hereunder shall be in writing and shall be mailed by first class, registered or certified mail, postage prepaid to the parties hereto at their respective addresses set forth and shall be deemed to have been received five (5) days after the mailing if Client is located in the United States and fifteen (15) days if Client is located outside the United States.

19. Taxes. Client shall be responsible for the payment of any and all service tax or any other tax of any nature levied by any government or government agency or municipality as a result of the services provided by Penn E&R. Additionally, should any government or government agency or municipality in which the work is being conducted at any point in the future while this contract is in force, impose any tax not in effect at the signing of this agreement for services, PENN E&R reserves the right to pass the equivalent amount of tax onto the Client, and the Client hereby agrees to pay such additional fee as part of the costs incurred in performance of the services provided under this agreement.

ATTACHMENT B
Act 2 Case Studies



DuPONT/NEW CASTLE JUNKYARD ENVIRONMENTAL REMEDIATION

New Castle, Lawrence County, Pennsylvania

Penn E&R personnel remediated five portions of the site to achieve the target criteria of 5 mg/1 lead.

- **Wetland Remediation and Restoration in Northern Battery Casing Disposal Area** – Installed bypass pump system to allow re-grading of Shenango River Spillway. Removed battery casings and lead plates to onsite treatment area. Re-graded 12 acre wetland area to original subgrade elevation contours. Imported and placed 4,500 cubic yards of topsoil. Installed biologs (coir logs) and native live stakes along inlet from Shenango River. Re-vegetated using wetland seed mixture appropriate for saturation zone. Removed bypass pump system.
- **Northern Battery Casing Disposal Area** – Excavated and stabilized battery casing and lead contaminated soil/material. Backfilled treatment residuals in the Slag Fill Area and the Southern Battery Casing Disposal Area to achieve final site elevations. Disposed of excess treatment residuals off-site. Re-established a wetland in the Northern Battery Casing Disposal Area following remediation and constructed a permanent access road to allow Pennsylvania Power Company the ability to access and service utility poles.
- **Southern Battery Casing Disposal Area** – Excavated and stabilized battery casings and lead contaminated soil/material. Disposed of excess treatment residuals off-site.
- **China Waste Disposal Area** – Closed this area as a Class III Residual Waste Landfill. Re-graded and compacted existing soil/material, installed a two foot soil cover and a vegetative cover, and constructed stormwater collection swales.
- **Contaminated Soils Area** – Cut, sampled, capped, excavated, and removed an abandoned gas metering facility and associated abandoned gas pipeline. Removed junk/debris, battery casings, lead contaminated soil/material, and six inches of underlying material. Treated removed material in an on-site stabilization system and backfilled treatment residuals to achieve final site elevations. Disposed of excess treatment residuals off-site. Backfilled, graded, and re-vegetated the remediated area.
- **Slag Fill Area** – Demolished and disposed of existing structures, above-ground and below ground structures, and slabs in the work area. Screened scrap piles and debris (excluding battery casings) for off-site disposal or recycling. Excavated and stabilized six inches of underlying lead contaminated soil material. Removed and disposed of debris (scrap metal, appliances, and other trash) along river bank in the Slag Fill Area.



ACT 2 CHARACTERIZATION, REMEDIATION AND STORMWATER MANAGEMENT

Malvern, Chester County, Pennsylvania

Penn E&R was retained to characterize and remediate soil and ground water at the former Worthington Industries site, a specialty steel manufacturing center. All remediation work was successfully performed without impact to the exception value stream that bisected the site, which was later rehabilitated to its pre-steel manufacturing condition. This project was performed under dual regulatory oversight by the PADEP and EPA.

Penn E&R investigated 34 potential areas of concern at the site, collecting more than 100 soil samples to delineate potential impacts. Sample results indicated that soils in select areas of the site exceeded Act 2 Medium Specific Concentrations. Ground water sampling results, a fate and transport analysis and sensitive receptor surveys determined that active remediation of ground water was not required. Penn E&R prepared a Cleanup Plan recommending remedial activities for impacted soil areas and continued ground water monitoring. Once approved, Penn E&R implemented the recommended activities, which included the excavation of a pipeline, underground storage tanks and approximately 3,000 cubic yards of potentially impacted soil. The soil was relocated to a pre-approved on-site location and capped. Penn E&R also implemented a free-product collection system and additional ground water attainment sampling to support the natural attenuation program approved for ground water.

To assist in securing the NPDES permit for the site, Penn E&R completed a third-party review of the post-construction stormwater management plan, to evaluate sufficiency of bioretention, infiltration beds, porous pavement, swales and infiltration islands. Penn E&R recommended Best Management Practices for peak reduction, water quality anti-degradation, and volume control.

A final report was developed and submitted to the PADEP and EPA, which was subsequently approved by both agencies.

CLIENT

O'Neill Properties Group, LP

CLIENT CONTACTS

Mr. Guy A. Wolfington
Development Director

Mr. Jonathan Spergel, Esq.
Manko, Gold, Katcher & Fox

SITE SIZE

40 acres



ACT 2 SOIL CHARACTERIZATION AND REMEDIATION AT RIVERVIEW LANDING

West Norriton Township, Montgomery County, Pennsylvania

Penn E&R was selected by Riverview Residential Partners II, LP to characterize and remediate the Riverview Landing Property, formerly the Betzwood Industrial Park and Synthane Taylor Facility, in accordance with Pennsylvania's Act 2 program. Numerous environmental investigations and remedial actions had been completed at the site since 1989, including a Supplemental Act 2 Investigation and Report by Penn E&R. During redevelopment activities in late 2003 and 2004, four new areas of concern were identified, and Penn E&R was retained to characterize and remediate the impacts.

Penn E&R completed the following key tasks:

- Vacuum truck utilized to pump more than 1,400 gallons of oil-like material and water from excavation area over course of three separate retrieval events
- More than 260 tons of soils excavated from two areas and transported off-site for disposal
- Subgrade cistern was identified
- Cistern was characterized, pumped, excavated and properly disposed of off-site
- Remediated the release of petroleum product to nearby Schuylkill River using absorbent booms, earthen dam and vacuum truck
- 232 tons of impacted soils and fill was excavated from release area and properly disposed of off-site
- 20 partially-filled drums and adjacent soils were characterized for impacts and excavated
- Attainment sampling completed for subject areas
- Act 2 Release of Liability obtained for soils at the property in order to properly prepare the site for successful residential and recreational development along the river setting

CLIENT

Riverview Residential
Partners II, LP

CLIENT CONTACTS

Mr. Kevin Kyle
Development Director
Formerly Riverview
Residential Partners II, LP
(Currently named MLP
Ventures Group, LLC)
215-694-0805

SIZE OF SITE

53 acres



ACT 2 & SUPERFUND BROWNFIELD CLOSURE, DEMOLITION AND REMEDIATION

(a 1st Annual EPA Region III Environmental Quality Award Winning Project)
Bensalem, Pennsylvania

As part of the project's sustainability and green site construction practices, site remediation included onsite use of recycled concrete, disposal of impacted soils at local brownfield/regulated fill sites and recycling of impacted soils via a Clean Earth soil recycling facility. Oversight included PADEP Act 2 and US EPA RCRA Programs. The project was the recipient of an EPA Environmental Quality Award. A final report was developed and submitted by Penn E&R to PADEP and EPA. Both regulatory agencies approved the report and the residential re-use of this former Brownfield Site, saving Pennsylvania green space from development.

The Remedial Investigation (RI) characterized soil/ground water for this former Elf Atochem chemical manufacturing plant in Bensalem, Pennsylvania. Delineation sampling indicated that soil in select areas of the Site exceeded the residential Medium Specific Concentrations (MSC) developed by the PADEP pursuant to Pennsylvania's Land Recycling and Environmental Remediation Standards Act (Act 2). The RI and remediation of this Brownfield site were completed to allow residential redevelopment of the site. Results of ground water characterization, fate and transport analysis, sensitive receptor surveys, and ground water modeling determined ground water remediation was not required.

Penn E&R prepared a Remedial Action Workplan (RAW) and remediation bid specifications for the site remediation. Subsequent to the selection of a remediation contractor, Penn E&R managed the site remediation which included the removal of two historic wastewater treatment lagoons, a waste water treatment plant, underground storage tanks and a former septic system. Two of the soil removal areas required dewatering to remove ground water and properly excavate the impacted soil/fill. As such, the site remediation included the temporary use of water treatment equipment (designed by Penn E&R) and a temporary NPDES permit to discharge the treated water. The PADEP's Brownfield Action Team (BAT) assigned to the site was instrumental in providing the water discharge permit approval in a timely manner.

Demolition of existing buildings, environmental excavation, separation, and disposal of the impacted soil and fill started in November 2006 and was completed in September 2007. A total of approximately 46,000 tons were excavated and treated at licensed facilities. Remediation included the use of state and federal public funding sources.

ACT 2 SITE INVESTIGATION AND REMEDIATION

Numerous sites throughout Pennsylvania

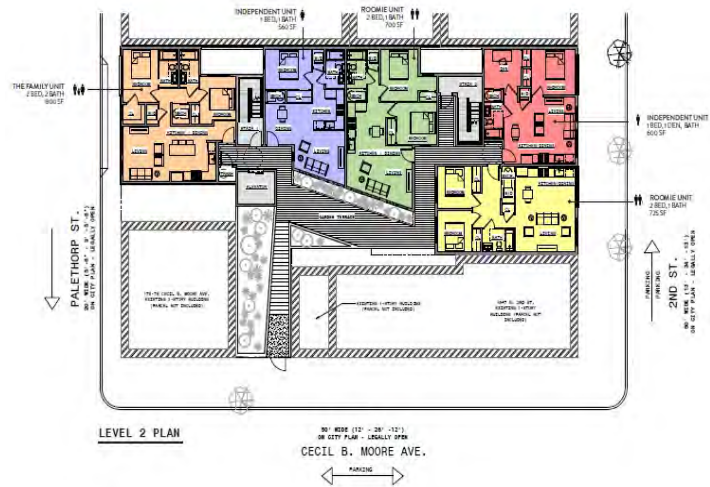
In 1995, the Pennsylvania Department of Environmental Protection enacted the Land Recycling and Environmental Remediation Standards Act, commonly referred to as the Act 2 program, which codified requirements for remediation of contaminated properties in the state. Act 2 provides a framework for identifying remediation standards and procedures for applying those standards. Penn E&R has gained considerable expertise in cost-effectively guiding our clients through Act 2 regulations to achieve environmental closure and liability protection for remediation of their sites.

Penn E&R's experience with Act 2 is extremely extensive. Penn E&R was selected by the Bucks County Redevelopment Authority in a 22-company competitive bid to complete the Act 2 closure of the Riverfront North project. This important project was one of the first United States Environmental Protection Agency pilot projects to be closed through the Act 2 program.

A representative summary of Penn E&R's Act 2 project experience is provided below. Specific case histories can be provided for any of the following projects upon request:

- Baldwin Locomotive - Eddystone, PA
- Gettysburg College Railroad Yard - Gettysburg, PA
- Rhoads Metals - Huntingdon Valley, PA
- The Woodbridge Group - Doylestown, PA
- Industrial Park Development Corp. - Eddystone, PA
- PPL PCB Remediation Sites - Various Locations throughout PA
- Pressman & Pressman - Horsham, PA
- Transilwrap - Bensalem, PA
- PPL Harrisburg Service Center - Harrisburg, PA
- Fallowfield Development Corp. - Coatesville, PA
- Reininger Brothers, Inc. - Hatboro, PA
- Unisys Corporation - Blue Bell, PA
- Street Road Associates - Bensalem, PA
- Colwell Lane - Plymouth Meeting, PA
- Riverfront North site - Bristol, PA
- Bucks County Redevelopment Authority Grundy Power House - Bristol, PA
- Altman Management Company - Philadelphia, PA
- Samuel Drive - Bensalem, PA
- Zuckerman-Honickman, Inc. - Philadelphia, PA
- General Atronics Corporation - Wyndmoor, PA
- Southern Lehigh School District – site characterization completed
- Berwick Industrial Development Association - Berwick, PA
- Plymouth Tube Company - Horsham, PA
- Valley Distributors - Norristown, PA
- AMC - King of Prussia, PA
- Turner Industrial Way - Aston, PA
- PPL Sunbury - Shamokin Dam, PA
- Earl's Service Center - Upper Darby, PA
- North Penn Gas, Mercury Meter/Regulation Sites - Multiple Sites throughout Northcentral and Northwestern PA
- PPL Substation Sites - Various locations
- Sparango Construction - Whitemarsh, PA
- Carbon County Economic Development Corp., Packerton Yards - Mahoning Township, PA

CVVCEJ OGP VE
Land Development
Case Studies"



SITE/CIVIL ENGINEERING FOR MIXED-USE DEVELOPMENT

Philadelphia, Pennsylvania

Penn E&R is currently contracted by a confidential developer to complete professional site/civil engineering design services for the development of a mixed-use residential and commercial property in urban Philadelphia. The building, when complete, will consist of commercial and parking space on the first floor followed by five stories of 38 apartment units plus a roof deck.

CLIENT

Confidential developer

PROJECT COMPLETION

Ongoing

Penn E&R is completing the following tasks:

- Prepare and submit Existing Resource and Site Analysis (ERSA) to Philadelphia Water Department (PWD) to demonstrate plans for stormwater control
- Prepare Erosion and Sediment Control Plan
- Prepare and submit Streets Department Checklist #2
- Close coordination with Philadelphia Streets Department (PSD)
- Prepare and submit PWD Utility Plan showing proposed locations of various water and sewer utility connections
- Prepare and submit Act 537 Sewage Planning Module Exemption to the PWD
- Complete detailed survey plan needed for design submissions to the PWD and PSD
- Attend necessary zoning and other planning meetings



ENVIRONMENTAL SITE ASSESSMENT, SITE ENGINEERING AND PERMITTING

Philadelphia, Pennsylvania

Penn E&R was contracted by a confidential commercial developer to implement an Environmental Site Assessment (ESA), followed by engineering design and permitting services for the development of one of its retail stores in urban Philadelphia.

Penn E&R first completed a Phase I ESA and limited Phase II ESA to determine the extent of environmental impacts at the site. A vapor intrusion investigation revealed that no compounds existed at levels above Pennsylvania's Act 2 standards and that development could continue knowing there were no hidden environmental risks on the land parcel.

Penn E&R was then retained for the site engineering and permitting phases of the project. Penn E&R assisted the client with various permitting approvals. The project required a use and signage variance, which included the filing of an Existing Resources and Site Analysis stormwater plan. Penn E&R worked closely with the Philadelphia Water Department to complete stormwater management and erosion and sediment control plans as well as coordination for water and sewer connection and a sewer-planning module. Penn E&R also worked closely with the Philadelphia Streets Department to secure permit approval for the store's access driveways.

CLIENT

Confidential commercial developer

PROJECT COMPLETION

2016



LAND SURVEYING, SITE ENGINEERING AND PERMITTING

Bucks County, Pennsylvania

Penn E&R was selected by a confidential regional developer to perform survey, site design and permitting services for a new ambulatory health facility near Feasterville, Pennsylvania.

Penn E&R first provided land surveying services to map out the property showing boundary and topographic values. A subdivision plan was prepared and submitted for approval to determine the land parcel. Penn E&R then prepared and submitted a sketch plan of the development and the following permits and documents to the township and local agencies for approval:

- Municipal land development plan
- National Pollutant Discharge Elimination System permit, commonly referred to as an NPDES permit
- Highway Occupancy Permit plan
- Sewage facilities planning module exemption

This land development project required close coordination with the Pennsylvania Department of Environmental Protection, Pennsylvania Department of Transportation, Lower Southampton Township, Bucks County Conservation District and other agencies to obtain necessary approvals for project completion.

CLIENT

Confidential regional developer

PROJECT COMPLETION

2014



LAND SURVEYING, SITE ENGINEERING AND WETLAND DELINEATION

Hatfield Township, Pennsylvania

Penn E&R was contracted by global colorant manufacturer Penn Color, Inc. in 2014 to complete an Environmental Site Assessment (ESA), land development plans and subsequent permitting ahead of a massive expansion of its campus near Hatfield.

Penn E&R first implemented a Phase I ESA of the site to address any potential environmental issues. A survey of the property was completed, and Penn E&R's professional wetland scientist implemented a comprehensive delineation of the wetland on the property. Our engineers used this investigation while designing the land development plans so as to not negatively impact the wetland. Following plan approval, Penn E&R prepared and submitted all necessary permitting documents to township and county agencies for the project, which included a land development approval from the municipality and an earth disturbance/stormwater management permit from the county.

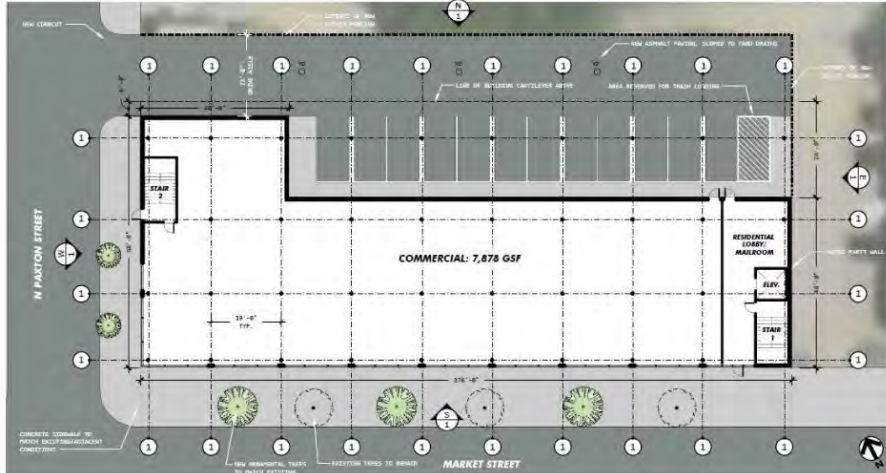
Penn E&R then completed infiltration tests to determine how quickly water infiltrated the site. Results indicated most of the site had poor infiltration. Penn E&R engineers implemented stormwater Best Management Practices by designing a modified slow-release bioretention basin and retrofitting an existing basin to have slow-release infiltrative capabilities. These basins were excavated and backfilled with two feet of clean stone and two feet of modified soil on top. A diverse mix of vegetation was then planted in and around the basins to promote evapotranspiration. What does not naturally transpire via the vegetation drains slowly over 48 to 72 hours via small discharge pipes in the basin.

CLIENT

Penn Color, Inc.

PROJECT COMPLETION

2019



SITE/CIVIL ENGINEERING FOR MIXED-USE DEVELOPMENT

Philadelphia, Pennsylvania

Penn E&R is currently contracted to complete professional site/civil engineering services for a confidential developer. The project involves lot consolidation and design and construction services for a multi-story mixed-use building located in West Philadelphia. The building is slated to consist of commercial space on the first floor of the complex and residential apartment space on the floors above.

Penn E&R is completing the following tasks:

- Zoning Permit Phase
 - Prepare a detailed Boundary, Topographic and Utility survey to assist with our design services
 - Prepare and submit Lot Consolidation Plan to Philadelphia's Survey District
 - Prepare and submit Existing Resource and Site Analysis to the Philadelphia Water Department (PWD)
 - Develop Erosion and Sediment Control Plan
 - Prepare and submit Zoning Plan
 - Review and submit License and Inspection zoning permit application
 - Prepare and submit Streets Department Checklist #1
- Building Permit Phase
 - Develop site plan for tree placement
 - Prepare and submit water and sewer utility plan
 - Prepare and submit Act 537 Sewage Planning Module Exemption to PWD
 - Prepare technical stormwater design submission to PWD
 - Prepare and submit Streets Department Checklist #2
 - Prepare and submit Highway Occupancy Permit to Pennsylvania Department of Transportation

CLIENT

Confidential developer

PROJECT

COMPLETION

Ongoing

CVVCEJ OGP V'D
Resumes"

THOMAS A. PETREZCZ

REGIONAL DIRECTOR ENVIRONMENTAL SERVICES



Mr. Petrecz has more than 25 years of experience in geology, hydrogeology, environmental audits and environmental assessment and remediation. Mr. Petrecz's clientele have included developers, industrial corporations, municipalities, and redevelopment authorities. He is well versed in the Pennsylvania Department of Environmental Protection (PADEP) Land Recycling and Environmental Standards Act (Act 2), New Jersey Department of Environmental Protection (NJDEP) Industrial Site Recovery Act (ISRA) regulations, CERCLA, RCRA, TSCA, Sara Title III and underground storage tank (UST) regulatory programs. Mr. Petrecz has also participated extensively in a variety of good laboratory practice (GLP) studies in accordance with the United States Environmental Protection Agency (EPA) and state regulatory agencies regarding fungicide, pesticide and herbicide registrations.

AREAS OF EXPERTISE

- Performance of preliminary assessments and Phase I and II Environmental Site Assessments (ESAs)
- Implementation of remedial site investigations
- Collection of soil, sediment and ground water samples as per Pennsylvania and New Jersey technical regulations
- Hydrogeologic investigations and water resource management
- EPA and state-regulated agricultural product registration studies under GLP methodologies
- UST removal and closure
- Oversight of various drilling techniques including direct push, hollow-stem, and air and mud rotary
- Operation and maintenance of Health and Safety and field sampling equipment

EDUCATION/CREDENTIALS

- Certified Closure Inspector and Subsurface Evaluator, NJDEP #0018425
- FIFRA Good Laboratory Practices Training (40 CFR Part 160)
- U.S. Army Corps of Engineers, Construction Quality Management and Contractors Training
- OSHA 40-hour Hazardous Waste Operations and Emergency Response Certification
- B.A., Geology, LaSalle University

PROJECT EXPERIENCE

Soil and Ground Water Assessment and Remediation

Mr. Petrecz has served as a Senior Project Scientist and Field Operations Manager for a number of soil remediation and ground water monitoring projects. He has also developed a variety of reports related to remedial investigations and feasibility studies.

Mr. Petrecz assisted a United States Army representative in the preparation and subsequent implementation of a NJDEP-approved remedial action work plan for the remediation of subsurface soils at five transformer pad sites and removal and assessment of five septic tank locations. The remedial action included excavation and off-site disposal of approximately 500 cubic yards of subsurface soils impacted by polychlorinated biphenyls. His responsibilities also included the preparation of a final site characterization report.

Act 2 Program | Various Locations, Pennsylvania

Mr. Petrecz has guided dozens of projects through Pennsylvania's Act 2 program, including petroleum hydrocarbon-impacted sites, gasoline service stations, facilities under monitoring-only programs, active remediation sites, facilities undergoing site characterization, and UST upgrade and removal sites. He has obtained release of cleanup liability for both soil and ground water for numerous sites.

Mr. Petrecz served as Field Operations Manager for a soil remediation project at a former steam electric power plant in northeastern Pennsylvania. The project included the stabilization and off-site disposal of approximately 33,000 tons of lead and arsenic-contaminated soil. Mr. Petrecz was responsible for overseeing the implementation of the soil remediation and stabilization program as well as the preparation and submittal of Act 2 final report to the PADEP.

Phase I and II ESAs

Mr. Petrecz has served as Field Manager for a variety of property assessments. Mr. Petrecz was responsible for managing the audit team that conducted Phase I and II ESAs, which included soil, surface water and ground water sampling, reviewing all site background information and preparing the final reports.

MICHAEL D. LATTANZE JR.

PROJECT MANAGER



Mr. Lattanze is a Project Manager with 15+ years of experience in environmental consulting. His areas of expertise include Environmental Site Assessments (ESAs), hydrogeologic assessments, soil and ground water remediation, geotechnical studies and environmental permitting throughout the mid-Atlantic region. His clientele has included industrial corporations, lending institutions, real estate investment trusts, law firms, architects, developers, redevelopment agencies and municipalities.

AREAS OF EXPERTISE

Phase I/II ESAs

Sanitary sewer and potable water system design and review

Environmental permitting

Underground storage tank (UST) compliance, removal and remediation

CERCLA Remedial Investigation and Feasibility Studies (RI/FSs)

Design, installation, and operation of soil and ground water remedial systems

Delaware River Basin Commission hydrogeologic impact studies

Stormwater inflow/infiltration evaluations for sanitary sewer systems

National Pollutant Discharge Elimination System (NPDES) Phase II stormwater discharge and permitting

EDUCATION/CREDENTIALS

B.S., Biology, Ursinus College

- Minor in Environmental Studies

OSHA 40-hour Hazardous Waste Operations and Emergency Response Certification

PROJECT EXPERIENCE

Environmental Remediation | Various Locations

Mr. Lattanze is experienced in subsurface investigation for contaminant characterization, site remediation to achieve regulatory closure and beneficial site reuse, ground water development, stormwater evaluations, sanitary sewer and potable water system design and review, environmental permitting and wetland delineations.

Mr. Lattanze is well versed in the Pennsylvania Department of Environmental Protection (PADEP) Act 2 Program, New Jersey Department of Environmental Protection (NJDEP) Industrial Site Redevelopment Act, NPDES permitting requirements, Solid Waste, Residual Waste, Safe Drinking Water Act and UST regulatory programs. He has also managed projects in coordination with the United States Environmental Protection Agency, PADEP, NJDEP, and Delaware Department of Natural Resources and Environmental Control.

Stormwater Sampling | Various Locations

Mr. Lattanze has directed the sampling of stormwater discharge points under the guidance of the PADEP NPDES Phase II Stormwater Discharge Regulations.

Water Supply and Wastewater Treatment | Various Locations

Mr. Lattanze was responsible for the implementation, review and approval of sanitary sewer and potable water system engineering design plans for newly constructed residential, commercial and industrial facilities. Mr. Lattanze has also completed potable water and sanitary sewer system permitting for several municipal water and sewer systems.

UST Closures | Various Locations

Mr. Lattanze has participated in numerous registered and unregistered UST closures including support and management for cleanup of contaminated soil and groundwater.

Phase I/II ESAs | Various Locations

Mr. Lattanze has conducted numerous Phase I ESAs at residential, commercial and industrial sites and implemented subsequent Phase II ESA tasks, including subsurface investigations, storage tank inspections and assessments for asbestos, lead-based paint, mold and other hazardous materials.

JOSEPH W. PONTICELLO

PROJECT MANAGER



Mr. Ponticello is an environmental scientist with more than six years of experience in environmental consulting. His areas of expertise include environmental assessment, soil, ground water and vapor sampling and installation of various in-situ and ex-situ remediation systems. Mr. Ponticello is also a capable machine operator and has significant experience working in environmental construction and providing construction oversight.

AREAS OF EXPERTISE

Soil, ground water and vapor sampling, including grab sampling and utilizing low-flow techniques

Installation and operation of various remedial systems

Implementation of field sampling plans at hazardous waste and Superfund sites

Mud logging

Well drilling, installation and development

Oversight of various drilling techniques including direct push, hollow-stem and air and mud rotary

Heavy equipment operation

Geologic interpretation

Rock property analysis

Seismic interpretation and analysis

Technical drawings, design and mapping

Operation and maintenance of health and safety and field sampling equipment

Project planning and assistant project management

Project oversight and field program management

Preliminary Assessments

Phase I/II Environmental Site Assessments (ESAs)

PROJECT EXPERIENCE

Reporting | Various locations

Mr. Ponticello has implemented many Phase I ESAs and due diligence reports, identifying on- and off-site risks, to evaluate the environmental condition of various project sites including the following:

- Specialty metal manufacturers
- Superfund sites
- Dry cleaners
- Shopping centers
- Current and former gas stations
- Farms
- Residences
- Vacant land

Mr. Ponticello is familiar with and completes all assessments in strict accordance with relevant ASTM standards. He has technical Preliminary Assessment experience involving file reviews and completion of site inspections.

Mr. Ponticello has overseen operations associated with soil and ground water investigations within PADEP Act 2 and NJDEP SRP standards. He has completed field operations including soil boring and well installations and abandonments, sampling and oversight. In addition, he has completed data manipulation, reduction and report preparation under the supervision of a licensed Professional Geologist.

Environmental Investigation and Remedial System Installation | Various locations

Mr. Ponticello has assisted with the implementation of numerous environmental investigations at sites impacted by various contaminants including petroleum products, solvents, heavy metals and polychlorinated biphenyls (PCBs).

JOSEPH W. PONTICELLO

PROJECT MANAGER



AREAS OF EXPERTISE (CONT.)

Proficient in AutoCAD Civil 3D, ArcGIS, USGS PATCHI, ground water modeling and Google Earth Pro

National Pollutant Discharge Elimination System (NPDES) permit compliance

Pennsylvania Department of Environmental Protection (PADEP) Act 2 reporting

New Jersey Department of Environmental Protection (NJDEP) Site Remediation Professional (SRP) reporting

EDUCATION/CREDENTIALS

B.S., Geology, University of Pittsburgh

- Concentration in Civil Engineering

OSHA 40-hour Hazardous Waste Operations and Emergency Response Training

OSHA Health and Safety Training

Shell Oil Health, Safety and Environmental Training

Alternative Remediation Standards Technical Guidance – NJDEP

Ground Water in Fractured Bedrock – Rutgers University

PROFESSIONAL AFFILIATIONS

Northern Alleghenies Geological Association (NAGS)

Pennsylvania Council of Professional Geologists (PCPG)

Pennsylvania Aggregate and Concrete Association (PACA)

PROJECT EXPERIENCE (CONT.)

Environmental Investigation and Remedial System Installation (cont.)

In addition, Mr. Ponticello has participated in the implementation of a number of soil and ground water remediation programs. These systems have been used to remediate soil and ground water contaminated with petroleum products, solvents and PCBs. Mr. Ponticello has experience implementing these systems in Pennsylvania, New Jersey, Delaware, Maryland and Connecticut.

Heavy Equipment Operation | Pennsylvania, New Jersey

Mr. Ponticello is experienced in operating heavy equipment such as backhoes, trackhoes, bulldozers, dump trucks and loaders for the installation of remedial systems.

Mr. Walsh has over 30 years of experience in soil and ground water remediation, permitting and compliance, hydrogeological assessment, water source and public water system development, and the oil and gas industry. His clientele have included developers, real estate investment trusts, industrial corporations, private water entities, water infrastructure and treatment engineers, solid waste authorities, power and water utilities, municipalities and refineries, and oil and natural gas operators and producers throughout the mid-Atlantic region.

Mr. Walsh is well-versed in regulations and programs set forth by the United States Environmental Protection Agency (EPA) and Pennsylvania Department of Environmental Protection (PADEP), including the Act 2 program, CERCLA, RCRA, TSCA, NPDES, ISRA, Sara Title III and programs associated with solid and residual waste and underground storage tanks (USTs). For years he managed a Cone Penetrometer Test drilling business in the greater Philadelphia area where he completed projects in excess of \$1 million with the EPA and state environmental protection agencies in Pennsylvania, New Jersey, Delaware, West Virginia and New York.

AREAS OF EXPERTISE

- Remediation including design of ground water remedial systems
- Hydrogeologic environmental assessments, impact studies and source water applications
- Hydrogeologic karst hazard analyses
- Local, state and federal regulatory compliance
- Stormwater/National Pollutant Discharge Elimination System permitting, design and infiltration evaluations
- Ground water development
- Water source development for unconventional natural gas industry
- High capacity water well siting, installation, development and permitting
- Environmental water supply testing
- Community water system sourcing and design
- Watershed hydrology
- UST plume migration
- Underground injection control
- Induced recharge
- Fracture trace analysis
- Wellhead protection studies
- Pumping tests
- Expert testimony, litigation support

PROJECT EXPERIENCE

Act 2 Site Cleanup | Various Locations throughout Pennsylvania

Since 1995, Mr. Walsh has directed various Pennsylvania Act 2 characterization and remediation projects. These projects include soil and ground water remediation and often also entail the successful redevelopment of sites for subsequent issuance of Act 2 closure and waiver-of-liability.

Superfund Cleanup | Various Locations

Mr. Walsh directed the cleanup of a Superfund Site in Bucks County, Pennsylvania which involved the excavation of approximately 3,000 tons of soil impacted by polychlorinated biphenyls, wetland restoration and debris decontamination. The site was remediated to meet federal and state cleanup standards and successfully prepared for residential development.

Mr. Walsh served as Project Manager for a \$2 million Superfund project in Central Pennsylvania. This project included a comprehensive site investigation, evaluation of chemical and hydrogeologic data, completion of a baseline risk assessment, development of remedial alternatives, and design and implementation of a Phase II sediment toxicity investigation. Mr. Walsh worked closely with the EPA and PADEP through the duration of this project.

Environmental Compliance | Various Locations

Throughout his career, Mr. Walsh has served the industrial community by performing NPDES stormwater testing and permitting and industrial site risk assessment and remediation as well as leading projects to obtain environmental compliance. Many of these projects have been within a Pennsylvania karst environment.

Mr. Walsh has served as the hydrogeologist on record for landfill facilities and has testified as a qualified hydrogeology expert in a courtroom setting.

Mr. Walsh has performed environmental compliance audits for numerous industrial and manufacturing facilities. Typically, these audits were performed to support a corporate merger or acquisition. Compliance issues that were encountered and remedied have included RCRA storage and disposal, Spill Prevention, Control and Countermeasure Plan compliance, stormwater permits, air emissions, wastewater treatment and discharge, underground and aboveground storage tanks and Sara Title III. In multiple cases, OSHA compliance components were also addressed.

EDUCATION/CREDENTIALS

M.A., Hydrogeology, Temple University
B.S., Geology, Calvin College
Licensed Professional Geologist (PA, DE, NY)
OSHA Site Supervisor and Hazardous Waste Operations Certification
SafelandUSA Oil & Gas Safety Training Certification
Hydrogen Sulfide Safety Awareness Training

AFFILIATIONS

Growth Resources of Wellsboro (GROW) – Board Member
Philadelphia Building Industry Association (BIA)
Pennsylvania Independent Oil & Gas Association (PIOGA)
Pennsylvania Council of Professional Geologists (PCPG) – Former Board Member
Philadelphia Geologic Society
The Marcellus Shale Coalition
West-Mont Christian Academy, Pottstown, PA – Former School Board Member

PROJECT EXPERIENCE (CONT.)

Atmospheric Ambient Air and Soil Gas Assessment | Appalachia

Mr. Walsh managed a field sampling team that collected representative atmospheric and soil gas samples for laboratory analysis in 2017. Regional atmospheric field measurements were also collected as part of the project. Analyte concentrations (in air) were quantified via the procurement and use of a select analytical laboratory, which obtained precise detection limits. This project was completed on a strict, accelerated deadline of just six weeks.

Technical Oversight | Various Locations

Mr. Walsh provided technical oversight for remedial work at Valley Forge General Hospital, a Formerly Used Defense site in southeastern Pennsylvania. The United States Army Corp of Engineers performed all site work and Mr. Walsh provided oversight on behalf of the host township. The project included the assessment of an off-site dissolved volatile organic plume, on-site encapsulation of incinerator ash, regulatory coordination on the state and federal level and attendance at numerous public meetings.

Water Development | Various Locations

One of Mr. Walsh's water development projects produced more than 200,000 gallons per day of ground water while assuring isolation from offsite trichloroethylene and methyl tert-butyl ether contamination. He has served as a hydrogeologist for many community/public water systems.

Hydrogeologic Assessment | PA, NJ, DE and WV

Mr. Walsh managed the USTs for a national petroleum retailer wherein he was responsible for cleanup response in Pennsylvania, New Jersey, Delaware and West Virginia. Oftentimes this assignment required significant hydrogeologic assessment. One incident included managing a gasoline release in a residential area. Overall responsibilities included a vast working knowledge of many different types of hydrogeologic terrains.

Hydrogeologic Investigation | Various Locations in Pennsylvania

Mr. Walsh's hydrogeology skills were well utilized while he directed the cleanup of two PA Superfund sites with EPA/PADEP oversight and approval. One project included the removal of approximately 12,000 tons of polychlorinated biphenyl-impacted material as well as wetland restoration. The other site was a former chemical plant in Bensalem, Pennsylvania where he managed a \$7 million site-wide remediation and received an EPA achievement award. Both properties have since been successfully redeveloped.

Unconventional Shale Gas Drilling Pad Release | Northern Pennsylvania

Mr. Walsh directed the environmental assessment and closure of an unconventional shale gas drilling pad release. This project included an extensive fractured bedrock aquifer assessment, routine sampling of more than 120 ground water and surface water locations, and nearly 1,000 environmental samples collected for chemical analysis. Temporary water supplies were provided as part of the immediate response as well as long term aquifer monitoring to assure isolation and protection of public and private water supplies.

DAVID S. BAUSMITH, PE

VICE PRESIDENT

Mr. Bausmith is Professional Engineer with 25+ years of experience in site/civil engineering and environmental remediation. His areas of expertise include environmental compliance, innovative remediation technologies, Brownfield redevelopment and extensive experience with NJDEP SRRA, ARRCs and LSRP regulations.

AREAS OF EXPERTISE

- ◇ Brownfield Cleanup & Redevelopment
- ◇ In-situ soil and groundwater remediation
- ◇ E&S control design, plan preparation, permitting and inspection
- ◇ Stormwater management plans and calculations
- ◇ Hydraulic and hydrologic calculations, including storm sewer and culvert design
- ◇ National Pollutant Discharge Elimination System permit/plan preparation
- ◇ Superfund & RCRA facility closure
- ◇ Preliminary plan preparation and conceptual studies
- ◇ Construction plan preparation
- ◇ Earthwork design and cut/fill analysis
- ◇ Environmental Assessments (Phase I/Phase II), Site Investigation, and Remedial Action Work Plans
- ◇ Pennsylvania Department of Transportation Highway Occupancy Permit/plan preparation

EDUCATION/CREDENTIALS

- ◇ Licensed Professional Engineer (AL, CT, D.C., DE, FL, GA, MA, MD, MS, NC, NJ, NY, PA, SC, TN, VA, WV)
- ◇ M.S., Civil & Environmental Engineering, University of Pittsburgh
- ◇ B.S., Civil Engineering, University of Pittsburgh
- ◇ NJDEP Certified UST/Subsurface Inspector
- ◇ OSHA 40-hour HAZWOPER

PROJECT EXPERIENCE

Brownfield Commercial Remediation/Redevelopment (Manhattan, NY)

The project involved investigation and remediation of contaminants associated with former automotive garage and petroleum storage tanks to support development of the property as a new 40-story, \$120 million commercial hotel. Responsible for plan development for investigating soil, vapor, and groundwater contamination at the property, and design of remedial actions for the new development in accordance with State of New York and New York City regulations. The remedial design included: a composite engineered cover incorporating features of the new building foundation; excavation of contaminated soil; and, in-situ chemical oxidation of contaminants in groundwater. Responsible for construction quality assurance inspections and preparing the regulatory closure report documenting that remedial actions were completed in accordance with the approved design. Regulatory approval of Remedial Investigation and Remedial Action Work Plan (RAWP) within one year, and No Further Action (NFA) for ground water within two years. Project ultimately received case closure with NYSDEC and NYC Office of Environmental Remediation (OER).

Commercial Dry Cleaner (NYSDEC Superfund) Remediation (Long Beach, NY)

The project involved the investigation and remediation of soil, groundwater, and soil vapor contaminated as a result of historical releases of dry-cleaning solvent at NY Superfund Site. Responsible for overall management of investigation, remediation plan design, and regulatory reporting. Designed the in-situ chemical oxidant (potassium permanganate) plan for destruction of contamination present in impacted, saturated subsurface soil. To address contamination in unsaturated soil and vapor beneath on-site buildings, designed a 300 standard cubic feet per minute soil vapor extraction (SVE) blower with catalytic oxidation treatment system enclosed in temporary building. The designed system included appurtenant piping, valves, and controls.

DAVID S. BAUSMITH, PE

VICE PRESIDENT

Brownfield Multi-Family Residential Development (Great Neck, NY)

Project involved investigation and remediation of a former automotive garage property to support construction of a new residential housing. Served as technical project lead and senior manager, responsible for the site investigation in accordance with Nassau County Department of Health requirements. Designed the sub-slab depressurization system (SSDS) to mitigate potential vapor intrusion beneath the proposed residential building, including horizontal soil vapor vent piping integrated with the building foundation, and in-line blowers for each vent to evacuate soil vapors and safely discharge them to the atmosphere. The design included a control panel and alarm system to alert the operator in the event of system malfunction.

In-situ Remediation/Site Redevelopment (Greenwich, CT)

Senior engineer and technical manager on investigation and remediation of pesticide-contaminated soil at a property to support site redevelopment. Site investigation delineated arsenic and other pesticide contamination over approximately 0.25-acres of the property up to a depth of approximately six feet beneath ground surface. Designed a plan to excavate approximately 430 tons of highly contaminated soil and blend the remaining soil in situ using excavator-mounted mixing equipment. Post treatment sampling and analysis confirmed that the designed remedy was effective in reducing contaminant levels below applicable State of Connecticut standards.

Pennsylvania Act 2 Cleanup (Hazleton, PA)

Senior remedial design engineer for investigation and remediation of soil, groundwater and soil vapor to support redevelopment of the property. The contamination was related to historical releases of dry-cleaning solvent. Designed and supervised a pilot test for evaluating the performance of SVE at remediating solvent-contaminated soil vapor. Based on the results of the pilot test, designed the full-scale SVE and treatment system using granular activated carbon treatment. Also utilized site-specific hydrogeological and contaminant data to design the quantity of potassium permanganate required to oxidize chlorinated solvents PCE, TCE and related daughter products in ground water.

Commercial Vapor Mitigation Systems (Various Sites in NY, NJ, VA, FL)

Lead engineer and client/regulatory manager for pilot testing, design, and installation of passive and active (i.e., sub-slab depressurization) vapor mitigation systems for existing construction and new building developments up to 25,000-square feet in size. Systems designed to minimize adverse impacts to architecture and construction schedule, while providing safe, effective indoor air quality at sites with potential on-site and/or off-site sources of subsurface VOCs. Responsible for developing AEI's regional sub-slab depressurization field pilot testing protocol and personnel training.

Transportation Authority Regulatory Compliance Services (NJTA, NJDOT, NJ Transit)

Served as senior project manager and primary client contact for multi-year, on-call environmental engineering projects exceeding \$3 million for NJ Transit, New Jersey Turnpike Authority, and New Jersey Department of Transportation. Responsible for contract administration, financial management and technical design of soil and groundwater investigation/remediation projects including free product recovery, in-situ remediation, and ground water pump and treat at motorist fueling/service areas. Coordinated beneficial reuse of groundwater remediation systems between NJDOT and NJTA.

Renewable Energy Permitting/Compliance (Various Sites in ME, VA, TN, NJ)

Provided compliance audits and stormwater general permitting for solar field development on former landfills in VA and ME. Prepared site management plans and EV charging station design support for new vehicle charging stations at properties undergoing soil cleanup in TN and NJ.

DAVID S. BAUSMITH, PE

VICE PRESIDENT

Former Wood Treatment Site Remediation/Redevelopment (Port Newark and Woodbridge, NJ)

Served as field and design engineer during remediation/redevelopment of a former wood treating facilities between 8 and 65 acres in size that historically utilized chromated copper arsenate (CCA) and/or creosote. Utilized laser-induced fluorescence to investigate subsurface Non-Aqueous Phase Liquids (NAPLs), which reduced remediation requirements by ~15%, and resulting in client cost-savings of ~\$100K. Field supervision of in-situ soil stabilization of 15,000 CY and 54,000 CY of contaminated soil, which concurrently stabilized CCA/creosote contamination and improved subgrade strength, reducing total remedial costs up to \$500K and leading to No Further Action (NFA) from regulators. Completed engineering design of surface cover using cement-stabilized soil and asphaltic concrete, water supply system, and site drainage system. Provided field construction quality assurance to ensure contractor's compliance with remedial construction specifications to meet Port Authority of NY/NJ requirements.

Former Coke & Coke By-Products Facility Remediation/Redevelopment (Kearny, NJ)

Field and design engineer during remediation/redevelopment of 125-acre former coke and coke by-products facility impacted by coal tar NAPL, chromium, coke gas purification and related contaminants in soil, groundwater and river sediments. Assisted in design, waterfront permitting, and remedy implementation including NAPL containment/recovery, monitored natural attenuation (MNA) and site-wide cover system. Responsible for design and field quality assurance during construction 4,500 LF slurry wall, 6,000 LF steel sheet pile wall, waste pile treatment, and surface cover construction. Designed site drainage and grading/earthwork plans for engineered surface cover consisting of cement-stabilized dredge material.

PUBLICATIONS/PRESENTATIONS

- ◇ Bausmith, David S. and Rossi, Christopher, "Sustainable Remediation – A Case Study", November 16, 2009, Presentation at the EPA National Brownfield Conference, New Orleans, Louisiana.
- ◇ Bausmith, David S., "Brownfield Redevelopment and Environmental Considerations", Chapter 17, Land Development Handbook, Third Edition, Dewberry®, McGraw-Hill, 2008.
- ◇ Bausmith, David S., "Cementing DNAPLs", Pollution Engineering, November 2002, pp. 20-23.
- ◇ Bausmith, David S., "Remediation/Redevelopment of Former Wood Treating Facility Using Chemical Fixation/Stabilization Technology", September 2002, Presentation at the 5th Annual Florida Brownfield Conference, Pensacola, Florida.
- ◇ Bausmith, David S., Brouman, M.D., Ting, M., and Zubrow, J.S. "Demonstration of Groundwater Containment Through the Use of Barrier Wall and Surface Cover Systems and Natural Attenuation", Presentation at 2001 International Containment and Remediation Technical Conference and Exposition, Orlando, FL, June 2001.
- ◇ Cervenak, D., Bausmith, D., Brouman, M.D., and Mullins, K. (2000) "Stabilization of DNAPL at a New Jersey Brownfield Site", Presentation at Brownfields 2000, Atlantic City, New Jersey.
- ◇ Bausmith, D.S., and Neufeld, R.D., "Soil Biodegradation of Propylene Glycol Based Aircraft Deicing Fluids", Water Environment Research, (July/August 1999), Volume 71, No. 4, pp. 459-465.
- ◇ Bausmith, D.S., and Neufeld, R.D., "Land Treatment of Aircraft Deicing Fluids", October 1996, Presentation at 96th Annual Water Environment Federation and Technology Conference, Dallas, Texas.
- ◇ Bausmith, D.S., Campbell, D., and Vidic, R.D., "In-Situ Air Stripping", Water Environment & Technology, (February 1996), pp. 45-51.

JASON J. DIFRANK

SENIOR PROJECT MANAGER



Mr. DiFrank has more than 18 years of experience serving the environmental and engineering consulting industry. His areas of expertise include due diligence studies, Phase I and II Environmental Site Assessments (ESAs), hydrogeology, ground water, soil and vapor sampling, site identification and infiltration testing. Mr. DiFrank also has experience completing engineering tasks including site grading, stormwater management and erosion and sediment (E&S) control design.

Mr. DiFrank has substantial project management experience, overseeing the successful completion of dozens of environmental and engineering projects.

AREAS OF EXPERTISE

- Due diligence studies
- Phase I/II ESAs
- Preliminary assessments
- Data acquisition and evaluation
- Hydrogeological studies
- Ground water, soil and vapor sampling
- Environmental site investigations
- Site characterization and remediation
- Preparation of Remedial Action Reports
- Soil identification, including test pits and permeameter testing
- Infiltration testing
- Hazardous substances evaluation and testing
- Site grading
- Stormwater Best Management Practice (BMP) design
- PADEP Chapter 102 and Chapter 105 Permitting

PROJECT EXPERIENCE

NPDES Chapter 102 and Chapter 105 Permitting

Mr. DiFrank has served as a Project Manager for dozens of NPDES construction stormwater permitting projects for various electric energy transmission and land development projects across Pennsylvania. Mr. DiFrank worked to ensure all required permitting for these projects was successfully obtained prior to the project's start date, which required working with various regulatory agencies, County conservation districts and local municipalities.

Phase I and II ESAs

Mr. DiFrank has completed Phase I ESAs and preliminary assessments for sites in Pennsylvania, New Jersey, Maryland, Connecticut and New Hampshire. His responsibilities include comprehensive review of historic site and surrounding environmental data regarding hazardous substances and areas of concern. Subsequent Phase II ESA work focuses on individual areas of concern and typically requires ground water and/or soil sampling as well as corresponding data analysis, reporting and recommendation.

Mr. DiFrank prepared a Hazardous Waste Site Evaluation for the Pennsylvania Department of Transportation. He was responsible for identifying hazardous and environmentally sensitive wastes, practices and materials along a 2.5-mile stretch of roadway in Lehigh, PA. Mr. DiFrank conducted reviews with local, county and state officials. He also completed property owner interviews to collect historic property usage information.

Environmental Site Investigation

Mr. DiFrank implemented an environmental site investigation at a Pennsylvania gas station following a release of approximately 1,200 gallons of gasoline to the subsurface. He conducted soil sampling, installed and sampled monitoring wells, and completed aquifer testing, fate and transport modeling, risk assessment and remedial action reporting. Mr. DiFrank oversaw the closure and removal of three 10,000-gallon gasoline tanks onsite. He was also responsible for sampling and delineating the soil and prepared the required closure reporting.

EDUCATION/CREDENTIALS

B.S., Earth Sciences, Pennsylvania State University
OSHA 40-hour HAZWOPER
PA Notary Public
Project Management Professional Training Course, 44-hrs, RedVector
Environmental Field Methods Refresher, PCPG
USDA NRCS, 2010 Field Indicators of Hydric Soils Field Course, PAPSS
Underground Storage Tank Program Training Course, NJDEP
Site Remediation Basics Course, NJDEP
Regulated Storage Tank Corrective Action Plan, PADEP
ASTM ESAs for Commercial Real Estate Phase I and Phase II Training Site Assessment Processes

PROJECT EXPERIENCE (CONT.)

Mr. DiFrank completed a preliminary assessment and site investigation for a 13-acre brownfield site in New Jersey. He coordinated the removal of 1,300 cubic yards of pesticide-impacted soils and 1,000 cubic yards of polychlorinated biphenyl-impacted soils. Mr. DiFrank identified and delineated the extent of all areas of concern at the site. An Unrestricted Use - No Further Action letter was issued for the property.

Site Characterization

Mr. DiFrank was part of a project team that worked to close a historical petroleum release case with the PADEP. The case remained open because the release was never fully characterized and free-phase product was present in monitor wells. Mr. DiFrank conducted site characterization activities including monitoring well installation, direct push soil borings, soil vapor sampling, LNAPL thickness gauging, ground water sampling, receptor evaluations and fate and transport analysis. He assisted in the preparation and submission of a Remedial Action Closure Report (RACR) and Environmental Covenant for the property. The RACR was later approved by the PADEP bringing the case to closure.

Mr. DiFrank completed an environmental site characterization in compliance with Pennsylvania's CAP and Act 2 regulations for a gas station located in Philadelphia. Mr. DiFrank was responsible for conducting a ground water characterization including well installations, sampling, a monitored natural attenuation evaluation, ground water recovery and fate and transport modeling. Mr. DiFrank also conducted multiple product recovery events and implemented the use of BioSoks® onsite.

Soil Evaluations and Permeability Testing

Mr. DiFrank has substantial experience conducting soil test pits and soil permeameter testing for site engineering purposes in PA and NJ. All soil investigations he has completed have been in accordance with the PADEP BMP for Site Evaluation and Soil Testing and/or the NJDEP BMP Manual for Soil Testing Criteria.

Mr. DiFrank conducted over 25 soil test pits to identify the soil profile ahead of a road widening project located in Woolwich Township, NJ. He was responsible for the evaluation of the seasonal high water table, any restrictive features, ground water table, etc. Mr. DiFrank collected and tested soil tube permeameter samples to calculate the vertical hydraulic conductivity of the soil for stormwater BMP design purposes. The results of the testing were reviewed and approved by local and state officials.

MARK A. FORTNA

SENIOR ENVIRONMENTAL SCIENTIST



Mr. Fortna is a Senior Environmental Scientist with more than 25 years of experience in environmental consulting. He specializes in environmental assessment, soil and ground water characterization and remediation, geotechnical studies, environmental compliance and project management.

Mr. Fortna's clientele have included developers, industrial corporations, municipalities, and redevelopment authorities. He is well versed in the Pennsylvania Department of Environmental Protection (PADEP) Land Recycling and Environmental Standards Act (Act 2), New Jersey Department of Environmental Protection (NJDEP) Industrial Site Recovery Act (ISRA) regulations, CERCLA, RCRA, TSCA, Sara Title III and underground storage tank (UST) regulatory programs.

AREAS OF EXPERTISE

- Environmental assessment including Phase I and Phase II Environmental Site Assessments (ESAs)
- Soil and ground water characterization and remediation
- Hydrologic assessment
- Local, state and federal regulatory compliance
- Spill response actions
- UST compliance, removal and closure
- SPCC, PPC and MRP plans
- In-situ remediation
- Engineering controls for on-site isolation of impacts
- Ecological screening and detailed impact studies
- Expert testimony and litigation support
- Technical oversight
- Project management

PROJECT EXPERIENCE

Site Assessment and Remediation | Various Locations

Mr. Fortna is highly skilled in performing environmental assessments and implementing innovative remediation technology at sites of varying contaminants and degrees of impact. He has completed hundreds of Phase I ESAs, many of which have necessitated subsequent Phase II investigations. Mr. Fortna has extensive experience implementing the PADEP Act 2 Program, NJDEP ISRA legislation, and Superfund program. He is also well versed in the Storage Tank and Spill Prevention Act, known as Act 32.

Mr. Fortna currently serves as Project Manager on an Act 2 project in southeastern Pennsylvania. The project has included comprehensive field observations and remedial tasks, including the construction of an engineered and capped berm, as well as post remediation attainment sampling to prepare the site for residential redevelopment.

Mr. Fortna currently serves as Project Manager on a Phase II investigation in Philadelphia. The site houses two former power plants and contains a variety of recognized environmental concerns, including various USTs and aboveground storage tanks as well as numerous pieces of electrical equipment containing oil and potentially polychlorinated biphenyls (PCBs). Mr. Fortna has completed comprehensive soil and ground water sampling at this site as the project continues.

Project Management | Pennsylvania, New Jersey and Delaware

Mr. Fortna has overseen hundreds of environmental projects. He has managed teams of professionals performing soil and ground water investigations and remediation and data and laboratory analysis.

MARK A. FORTNA

SENIOR ENVIRONMENTAL SCIENTIST



EDUCATION/CREDENTIALS

M.S., Environmental Sciences,
Drexel University

B.S., Forest Resource Management,
West Virginia University

OSHA 40-hour Hazardous Waste
Operations and Emergency
Response Certification

CPR Certification

PROJECT EXPERIENCE (CONT.)

Technical Oversight | Pennsylvania and New Jersey

Mr. Fortna was chosen by a client to provide technical oversight in the capping of a Superfund landfill site located just outside Philadelphia. He led the hydrologic investigation, directed drilling operations and ensured compliance with regulatory standards in this multi-million dollar project that was successfully approved by the Environmental Protection Agency and PADEP.

Mr. Fortna is experienced in providing technical oversight for various drilling techniques, including air rotary, dual tube, auger and horizontal, as well as performing different types of hydrologic investigations, such as pump tests, well networks, brine injection tests and down hole geophysics. Mr. Fortna is highly skilled in implementing soil and water sampling as well as performing field screening and safety monitoring tasks during bioremediation and UST decommissioning procedures.

Expert Testimony and Litigation Support

Mr. Fortna has provided expert testimony to the Senate Intergovernmental Affairs Committee concerning the use of methyl tertiary butyl ether as a gasoline additive.

Mr. Singer is Professional Engineer with over five years of experience in engineering consulting. His areas of expertise include electric, gas and water utility design, erosion and sediment (E&S) control and stormwater management design, associated environmental permitting and land development.

AREAS OF EXPERTISE

Desktop environmental impact assessment

E&S control design, plan preparation, permitting and inspection

Stormwater management plans and calculations

Hydraulic and hydrologic calculations, including storm sewer and culvert design

National Pollutant Discharge Elimination System (NPDES) permit/plan preparation

Water obstruction and encroachment permit/plan preparation

Individual and joint permit/plan preparation

Preliminary plan preparation and conceptual studies

Construction plan preparation

Earthwork (cut/fill) analysis

Pennsylvania Department of Transportation (PennDOT) Highway Occupancy Permit/plan preparation

Information technology systems

EDUCATION/CREDENTIALS

Licensed Professional Engineer (PA, MD)

M.S., Applied Geosciences, University of Pennsylvania

B.S., Civil Engineering, Pennsylvania State University

OSHA 40-hour Hazardous Waste Operations and Emergency Response Certification

PROJECT EXPERIENCE

Desktop Reviews and Permitting | Southern Pennsylvania

Mr. Singer has served as Assistant Project Manager for a utility maintenance program spanning southern Pennsylvania. Mr. Singer was responsible for performing desktop reviews of work sites to identify optimal access paths ahead of scheduled utility work. These desktop reviews also assist the client in avoiding right-of-way issues or needs for environmental permitting. Under Mr. Singer's management, the Penn E&R project team has successfully completed dozens of desktop reviews without a single right-of-way issue or need for an emergency environmental permit or PennDOT permit.

Engineering Design, Permitting and Stormwater Management | Southeastern PA

Mr. Singer served as Assistant Project Manager for a large business expansion near Hatfield, Pennsylvania. The project required close coordination with the Pennsylvania Department of Environmental Protection (PADEP), the Montgomery County Conservation District and local municipalities to obtain the necessary environmental permitting including NPDES permits and water obstruction and encroachment permits. Mr. Singer also helped design a variety of post-construction stormwater management best management practices, including dry-extended detention basins, bioretention areas and rain gardens, to satisfy specific permitting requirements for this project.

Transmission Line Rebuild | Southcentral Pennsylvania

Mr. Singer served as Assistant Project Manager for a nearly 30-mile electric transmission line rebuild project in southcentral Pennsylvania. Permit requirements for this project involved close coordination with the United States Army Corps of Engineers, United States Fish and Wildlife Service, PADEP, PennDOT and other state agencies, county conservation districts and local municipalities.

AMBER YON PE

LEAD MUNICIPAL ENGINEER



Ms. Yon is a Professional Engineer with over eighteen years of experience providing engineering services to the municipal and commercial sectors. Her areas of expertise include stormwater management, flood mitigation, and land development. As an experienced municipal engineer, Ms. Yon has overseen the completion of projects with a focus on meeting or exceeding schedule and budget priorities while managing technical requirements and quality control. Ms. Yon provides Borough Council members and Township Supervisors with the most economically feasible solutions to common municipal issues including roadway restoration, sinkhole remediation, stormwater management, sanitary and storm sewer repair, and retaining wall remediation.

AREAS OF EXPERTISE

Reporting to government agencies and keeping Townships / Boroughs in compliance with several regulations including NPDES, MS4, Sanitary Sewer Consent Decree, and Chapter 94 Wasteload Management

Preparing permits for various construction activities within Township / Borough including Joint Water Obstruction and Encroachment Permits, General Permits No. 3 to No. 11, NPDES PAG-2 for Stormwater Discharges Associated with Construction Activities, Highway Occupancy Permit, Act 537 Plan Update, Post Construction Stormwater Management (PCSM) Plans, Erosion and Sedimentation (E&S) Control Plans, Small Site Grading Plans

Preparing design, bidding, and inspection documents for various projects including but not limited to storm, sanitary, paving, and sinkhole remediation

Developing ordinances and standard construction details for municipality's use

Preparing & submitting grant applications including cost estimates for funding for various projects

HEC-RAS version 5.0.7; HydroCAS version 10.00-25; Flowmaster version 4.1; StormCAD version 1.0

PROJECT EXPERIENCE

Ms. Yon has been responsible for stormwater management and land development projects throughout western Pennsylvania. Notable projects include a 34-acre retail development where Ms. Yon designed multiple Stormwater BMP's using HydroCAD software as well as a storm sewer system using StormCAD software, prepared an approved E&S Control Plan, NPDES permit application and PCSM Plan, and coordinated with government agencies.

Ms. Yon prepared an approved Joint Water Obstruction Encroachment Permit for the Allegheny River Back Channel Bridge and prepared an approved permit application for bridges over navigable waterways to U.S. Coast Guard.

Ms. Yon designed several flood control BMPs, used HEC-RAS to prepare Hydrologic and Hydraulic modeling reports and prepared revisions to FEMA flood maps.

Ms. Yon prepared approved plans and permits for the installation of 20 miles of sanitary sewer and a sewage treatment facility.

Additional experience includes the design of a sanitary sewer improvements project to reduce overflows and increase system capacity and preparation of an economically feasible I&I reduction plan as part of the regional wet weather feasibility studies. Ms. Yon has also been responsible for preparing pollutant reduction plans under MS4 regulations and executing hydrologic and hydraulic studies for site development, culvert/bridge design or replacement, stream bank stabilization and river/stream modeling.

EDUCATION/CREDENTIALS

Licensed Professional Engineer (PA)
B.S., Civil Engineering, Pennsylvania State University

GEORGE E. WITMAYER

ENVIRONMENTAL COMPLIANCE MANAGER



Mr. Witmayer has more than 40 years of experience working in the environmental compliance industry and has managed a wide range of environmental, health, and safety (EHS) issues at numerous facilities. He has held corporate responsibility for eight facilities in five states, including oversight and management of wastewater treatment plants, air scrubbing operations, solid waste disposal and utilization, policy development, safety and environmental audit completion and employee training. His specific tasks have included environment and safety facility audits and wastewater treatment plant operations and troubleshooting. He is also trained by the Pennsylvania Department of Environmental Protection (PADEP) to perform Pollution Prevention/Energy Efficiency (P2E2) audits.

Mr. Witmayer works with municipal governments to develop environmental health and safety policy and standards, design environmental project solutions and pertinent infrastructure, and coordinate legislation with regulatory agencies. His corporate environmental compliance activities have included Superfund Amendments and Reauthorization Act (SARA) Title III, stormwater management, Safe Drinking Water Act, National Pollutant Discharge Elimination System, Reasonably Available Control Technology, solid waste management, and many others.

AREAS OF EXPERTISE

- Wastewater treatment plant troubleshooting
- Stormwater compliance
- Air, water, solid waste permitting and management
- Waste minimization
- Regulatory negotiations
- Occupational Safety and Health Administration (OSHA) compliance
- Safety/environmental audits
- Injury reduction
- P2E2 audits
- Sara III inventorying and submission
- Pennsylvania Department of Transportation Commercial Driver's License compliance

EDUCATION/CREDENTIALS

- B.S., Organizational Management, Eastern College, St. Davids, PA
- A.A.S, Engineering, Montgomery County Community College
- P2E2 Assessment Training, 2001
- Zenger-Miller Certified Facilitator, 1990

TECHNICAL PRESENTATIONS

- Witmayer, G., "Case History of Nitrification of a Rendering-Meat Packing Waste," 35th Purdue Industrial Waste Conference, West Lafayette, IN, 1980.
- Witmayer, G., "Effects of Salinity on a Rendering-Meat Packing-Hide Curing Wastewater Activated Sludge Process," 40th Purdue Industrial Waste Conference, West Lafayette, IN, 1985.

PROJECT EXPERIENCE

Water Supply and Treatment System Design and Permitting

Mr. Witmayer managed the design and permitting of a water supply and treatment system for an expansive resort and golf club. He developed a solution to treat and deliver 500,000 gallons of potable water daily to the business on an accelerated schedule of four months.

Wastewater Treatment Plant Installation

Mr. Witmayer managed the installation of a million-gallon-per-day industrial wastewater treatment plant for direct stream discharge, secured permitting, and negotiated realistic discharge parameters.

OSHA Inspections

Mr. Witmayer has been involved in numerous OSHA inspections — from complaint response to numerous wall-to-wall — resulting in few citations and typically no fines. He has also implemented injury reduction processes focusing on employee behavior modification and worked with employees and insurance carriers to reduce workers' compensation costs.

Safety Training and Manual Development

As a certified facilitator, Mr. Witmayer has developed and presented numerous training programs in the areas of environmental health, and safety. These programs were delivered to both employees and management.

Because of his extensive regulatory and environmental knowledge, Mr. Witmayer was invited to be one of three industry representatives to work on the Food Processing Residuals Manual, the PADEP's first project to reduce regulatory oversight and focus heavily on science-based requirements. This manual has been the basis for environmental regulations in many other states.

Behavior-Based Safety Program Implementation

Mr. Witmayer was responsible for developing a behavior-based safety process for a business with 1,600 employees. The focus was on accident reduction through employee involvement. After three years, OSHA recordable injuries had been reduced by over 55% and workers' compensation was down a total of \$6,000,000. This process was implemented at another facility and within 18 months injury reduction was down 75% with an equivalent reduction in workers' compensation costs.

AMANDA M. GALARZA

SCIENTIST I



Ms. Galarza is an environmental scientist with experience in site reconnaissance, soil and ground water investigation/monitoring, data evaluation, remedial actions, and technical document preparation.

AREAS OF EXPERTISE

Site reconnaissance

Preliminary Assessment/Phase I
Environmental Site Assessment
(ESA)

Ground water sampling (volume
average and low-flow sampling
techniques)

Soil investigation and post-
remediation sampling

Vapor intrusion investigation

Data tabulation and evaluation

Technical report writing including
ESAs and remedial phase
documents

Conducting PADEP and NJDEP-
compliant file reviews

Management of environmental
databases and records

EDUCATION/CREDENTIALS

B.S., Environmental Engineering,
The Ohio State University

OSHA 40-hour Hazardous Waste
Operations and Emergency
Response Certification

PROJECT EXPERIENCE

Environmental Services

Ms. Galarza is familiar with the requirements of ASTM Standards E 1527-21 and is responsible for implementing Phase I and II ESAs and due diligence investigations to evaluate the environmental condition and identify potential on- and off-site risks at project sites in Pennsylvania and New Jersey.

Ms. Galarza has executed data/file requests, conducted file reviews, and prepared final reports. She has gained experience working with government agencies that maintain site information and is familiar with local, state, and national file review policies.

Ms. Galarza has assisted with the execution of investigations and remedial action activities at sites impacted with various petroleum compounds and hazardous substances in soil and ground water.

Data Collection & Interpretation

Ms. Galarza is responsible for data collection and interpreting analytical data for the preparation of work plans and technical reports for clients and regulatory agencies.

ATTACHMENT E
Penn E&R
Statement of Qualifications

STATEMENT OF QUALIFICATIONS



ENGINEERING • ENVIRONMENTAL
ENERGY • CONTRACTING



Penn E&R
Environmental & Remediation, Inc.

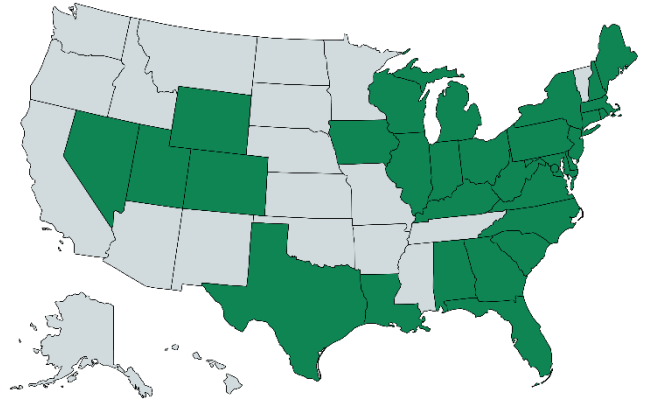
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HISTORY AND OVERVIEW

Penn Environmental & Remediation, Inc. (Penn E&R) is a full-service engineering, environmental and construction consulting firm. Since 1996, we have provided expert consultation and responsive, turnkey service to deliver reliable, cost-effective solutions to our clients. Penn E&R's corporate office is in Doylestown, Pennsylvania. Our regional offices are located in Hatfield, Mansfield, and Pittsburgh, Pennsylvania and Elmwood Park, New Jersey.

Penn E&R employs a variety of experienced professionals and technicians. Our staff is composed of professional engineers, professional geologists, Licensed Site Remediation Professionals (LSRPs), hydrogeologists, environmental, civil, wetland and ecological scientists, environmental compliance experts, health and safety professionals, quality assurance/quality control (QA/QC) inspectors, remedial construction managers and 40-hour OSHA-trained environmental field technicians. Our seasoned professionals apply strong management skills and technical expertise to ensure projects are well planned and thoroughly documented, completed on time and within budget.



Penn E&R has completed projects in over half of the United States.



Penn E&R is a subsidiary of Penn Color, Inc., a privately owned manufacturer of pigment dispersions and color concentrates, with annual sales exceeding \$250 million. Penn Color supplies colorants globally to major producers of plastics, printing ink, cosmetics, and coatings. With the help of Penn Color, Penn E&R has a reserve of resources to commit to any project.

We believe that our expertise will assist your team and we look forward to solving your engineering, environmental and construction challenges. If you have any questions, please feel free to contact one of our Senior Experts:

Mr. William J. Ponticello, PG, President (bponticello@penn-er.com)

Mr. Ryan P. Hurt, PE, MBA, Senior Vice President (rhurt@penn-er.com)

Mr. David S. Bausmith, PE, Vice President (dbasmith@penn-er.com)

Mr. Jeffrey K. Walsh, PG, Vice President (jewalsh@penn-er.com)

Mr. Sean M. Donovan, Vice President (sdonovan@penn-er.com)

Mr. Ronald F. Doumont, M.Agr., Assistant Vice President (rdoumont@penn-er.com)

MARKETS WE SERVE

Penn E&R provides services in a wide range of markets to public and private clients.

- Environmental
- Engineering and Municipal Engineering
- Construction
- Land Development
- Oil & Gas
- Mining
- Water Supply and Wastewater Treatment
- Hydrogeologic Investigation
- Insurance, Litigation Support and Expert Testimony

Although not included in this document, Penn E&R has hundreds of case histories to further exemplify our experience in each market sector. Please do not hesitate to request copies of these summaries for review.



ENVIRONMENTAL SERVICES

Penn E&R assists clients across various industries efficiently manage their environmental obligations. Whether for due diligence, an isolated environmental concern or for large-scale remediation programs, we provide responsive support to clients with their most critical assignments.

With decades of experience solving environmental issues, our team provides focused expertise to advance your project. From Environmental Site Assessments and hazardous materials surveys to site capping and underground storage tank removal, we are committed to sustainable restoration and redevelopment. We stay abreast of complex, wide-ranging environmental regulations as they evolve so that we can help you navigate the changes and employ responsible sustainable practices.

Our services include:

Due Diligence and Compliance

- Property Condition Assessments (PCA)
- Phase I/Phase II Environmental Site Assessments (Phase I/II ESA)

Investigation and Remediation

- Hydrogeologic assessments and permitting
- Risk assessments
- Pennsylvania Act 2 Program services
- New Jersey Site Remediation Program / LSRP services
- Brownfield consulting
- Soil and ground water characterization and remediation
- Ground water remediation system design, installation and management
- Management of Fill (clean, regulated, historic fill) and disposal
- Pre-demolition/hazardous materials surveys
- Asbestos/Lead-Based Paint surveys and abatement
- Vapor intrusion/indoor air surveys and mitigation
- Environmental forensics
- Environmental health and safety compliance, training and support

Ecological Services

- Wetlands delineation/watercourse permitting and mitigation
- Ecological, botanical and habitat surveys



A Penn E&R scientist completes a Wetlands Delineation.



Penn E&R geologists and engineers are experienced in subsurface evaluations, including infiltration testing.



Penn E&R technicians drill through a concrete slab during a site investigation.

ENGINEERING SERVICES

Penn E&R provides custom engineering solutions to our clients' unique projects. We strive to help our clients fully understand all permitting, design and development challenges and provide reasonable, effective solutions.

Our technical expertise and in-field experience allow us to provide broad insight into diverse infrastructure and innovative, sustainable solutions. Our engineers interact closely with agencies and stakeholders at the municipal, county, state and federal levels. Through our frequent communications, we have developed positive working relationships with regulatory authorities, allowing for expedited permit review and authorizations, saving our clients time and money. Once our engineered designs are implemented, we provide timely and comprehensive compliance inspections to ensure they are functioning as designed. Our certified wetland scientists are focused on preserving natural wetlands and watercourses, no matter the scale of the project, and our engineers are experienced in performing field surveys to monitor threatened and endangered species, including birds, snakes, bats, bog turtles and plants that are native to these areas.

Our services include:

- Comprehensive permitting services
 - Municipal land development/site plan permitting
 - Erosion and sediment (E&S) control
 - Stormwater management
 - NPDES permitting
 - Waterway obstruction and encroachment permitting
 - HOP/Roadway, access permitting
 - Utility service permitting
- Geotechnical investigations including infiltration testing and foundation design recommendations
- Wetland and threatened/endangered species studies
- Comprehensive utility design services
- E&S control and stormwater management design, installation and inspections
- Water/wastewater system design, permitting, installation and management
- Emergency response plans
- Surveying, GIS mapping and data management
- Project/Construction management



Penn E&R is experienced in site engineering and permitting services for cost-effective land development projects for commercial businesses.



Filter socks are often used to trap sediment and control stormwater runoff at project sites.



Stormwater management system installed below a retail store parking lot.

MUNICIPAL ENGINEERING SERVICES

Penn E&R provides a personalized approach to serving our municipal clients. We offer unique solutions for the design, construction, and maintenance of the various types of municipal infrastructure. Our engineering and environmental experts are on call to quickly solve problems in order to improve the quality of life for all municipal residents. Our municipal experts build more than just bridges and culverts, we build solid relationships with municipal managers and elected officials.

Our municipal services include:

- Engineering design, permitting and construction management services for all municipal projects including utility improvements, sinkhole remediation, roadway restoration and repair, flood mitigation, stormwater management, land development, water and wastewater systems, and bridge / culvert replacement
- Bid package preparation, including plan drawings and technical specifications
- On-site inspection services during construction and construction management services
- Environmental studies and flood mitigation studies
- Parks and recreation improvements projects
- Geotechnical investigations including infiltration testing and foundation design recommendations
- Wetland and threatened/endangered species studies
- Emergency response plans
- Preparation of local, state and federal grant applications for funding
- Develop engineers probable cost of construction estimates for proposed municipal projects
- Assist in the preparation of annual reports and budgets for capital improvement projects planned by the Municipality
- Review subdivision or new development projects for compliance with the Municipality's Code
- Prepare engineering reviews and approvals for soil and erosion control applications, stormwater management applications, grading applications, rights of way and easements, environmental and pollution control issues, utility infrastructure, and related tasks
- Provide sanitary sewer system oversight, design repair projects, and review all sewage facilities planning modules
- Assist with required documentation, inspections, and permitting for stormwater management requirements including the municipality's MS4 permit
- Present professional recommendations to the Municipal Manager and Supervisors / Commissioners / Council members



Penn E&R designs and installs wastewater treatment facilities.



Penn E&R coordinates with municipalities for residential and commercial land development projects.



Penn E&R provides permitting and construction services, repairs and maintenance of stormwater control systems.

CONSTRUCTION SERVICES

Our team of construction experts work with our environmental and engineering staff to provide our clients with a truly unique design-build contractor in Penn E&R. This relationship is especially convenient and cost-effective for those whose projects begin in the environmental and remedial phase and continue through engineering design to construction.

Penn E&R's construction team serves all of the market sectors to which we provide environmental and engineering consulting. We have the expertise and heavy equipment needed for our clients' small and large-scale projects.

Our services include:

- Full-scale environmental contracting
- Clearing, grubbing, seeding, slope stabilization and site restoration services
- Erosion and sediment (E&S) control installation and management
- Geologic hazard assessment and mitigation services
- Slip and sinkhole stabilization and restoration services
- Landfill monitoring and reporting and remediation services
- Transformer and well pad construction and container system installation
- Underground storage tank (UST) and aboveground storage tank (AST) remediation
- Polychlorinated biphenyl remediation and manufactured gas plant remediation
- Radiological services and site remediation
- Containerized material classification and disposal
- Power generation facility intake cleaning
- Facility decommissioning and demolition services
- Pipeline permitting, inspection and restoration services
- Acid mine drainage investigation and remediation system design, permitting and installation
- Water/wastewater system design and O&M



Nearly completed channel restoration.



Penn E&R installed an AST after removing two leaking USTs from a health care facility.



Penn E&R construction team installs temporary transformer storage containment pad for major utility client.

LAND DEVELOPMENT SERVICES

Penn E&R's staff of experienced engineers is able to provide technical services to support our clients' land development projects from start to finish. We are committed to addressing environmental concerns prior to your transaction, guiding you through the complicated regulatory landscape, and solving your unique design and development challenges in a cost-effective and timely manner. Our staff is comprised of engineers who are licensed in Pennsylvania, New Jersey, Delaware, Maryland, Ohio and West Virginia and have experience in commercial, industrial and residential land development.

Our services include:

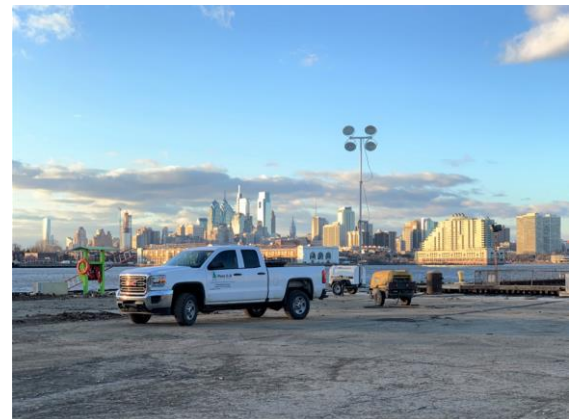
- Site feasibility analysis and due diligence studies
- Property surveying
- Ecological evaluations including wetlands delineation and threatened/endangered species studies
- Stormwater management design, permitting, installation and inspections including NPDES permitting
- Site grading evaluations
- Erosion and sediment control design, permitting and installation
- Access design including Department of Transportation permitting
- Utility design and permitting
- Waterway obstruction and encroachment permitting
- Geotechnical services including infiltration testing
- Construction quality/construction assurance
- Environmental Site Assessments, remediation design and construction



Initiation of site grading at land development site in Eastern Pennsylvania.

Services in the City of Philadelphia:

- Boundary Location & Utility and/or ALTA Survey
- Lot consolidation/subdivision plans for Philadelphia Survey District
- L&I Zoning Permit Application
- Philadelphia Water Department (PWD) ERSA submission
- PWD Utility Plan
- PWD Act 537 Sewage Planning Module submission
- Technical stormwater design submission
- Streets Department Checklist #1 and #2
- Fairmount Park Street Tree submission
- Green Roof coordination assistance



Penn E&R provides comprehensive land development services in the City of Philadelphia.

LAND SURVEYING, DRONE & AUTOCAD SERVICES

Penn E&R provides surveying services to meet a variety of client needs to assist with land development and environmental assessment/remediation projects, and oil and gas and utility services. Our team of professionals uses the latest technology in equipment, drones and CAD systems to ensure accurate and cost-effective results. Our staff includes a licensed Professional Land Surveyor and a certified unmanned drone pilot (sUAS).

Penn E&R's surveying capabilities complement our wide range of services in civil engineering, environmental assessment and remediation and construction and contracting.

Our services include:

- Concept and Preliminary Design
- Boundary Surveys
- Topographical Surveys
- ALTA/NSPS Land Title Surveys
- Subdivision/Lot Consolidation Plans
- Philadelphia Survey Districts expertise
- Utility Routing
- Site Stakeout
- As-built surveys
- Wetland delineation and mapping
- Botanical/Ecological Surveys
- Oil/Gas Well Location Pad Layouts
- Soil Sample Locating
- Soil Stockpile Mapping
- Monitoring Well Measurements



OIL AND GAS INDUSTRY SERVICES

Penn E&R professionals are highly skilled in the technical services needed to support specific elements of oil and gas operations. We are committed to providing oil and gas exploration and production companies, midstream entities, and refineries with reliable, cost-effective solutions.

Our services include:

Comprehensive permitting for oil and gas operations

- Expedited erosion and sediment control general permits (ESCGPs)
- Water obstruction and encroachment permits
- Impoundment construction permits
- Development of water supplies and withdrawal permits

Plan development

- National Pollutant Discharge Elimination System (NPDES) stormwater plans
 - Spill Prevention, Control, and Countermeasure (SPCC) plans
 - Pollution Prevention and Control (PCC) plans
 - E&S control plans
 - Emergency response plans
 - Health and safety plans
- Water supply sourcing and permitting
 - Waste fluid management
 - Stream restoration
 - Pre-drilling/baseline water supply surveys
 - Due diligence for acquisitions and divestitures
 - Naturally Occurring Radioactive Materials management
 - Well permitting and well pad construction
 - Stray gas investigation and response
 - Oil and gas well database management
 - Slope stability evaluations and remediation
 - Foundation evaluations
 - Landowner coordination
 - Regulatory liaison and compliance
 - Spill response management and remediation
 - Oil and gas well abandonment
 - Shale gas well application



Penn E&R deployed a specialized environmental field team to collect atmospheric and soil gas samples for an exploration and production company.

MINING SERVICES

Penn E&R's team of seasoned engineers, geologists, and scientists has extensive experience with mine-related permitting, engineering design, construction oversight and certification, investigation/characterization and corrective action activities. Our staff has provided a full range of services to coal and non-coal mining companies throughout the mid-Atlantic region of the United States.

Our services include:

- Permitting and design for underground mines and associated surface activity including National Pollutant Discharge Elimination System (NPDES) discharges
- Erosion and sediment (E&S) control plans for surface mining activities
- Stream restoration and stream bank stabilization
- Pre- and post-mining structural surveys
- Engineering and environmental compliance audits
- Construction quality control/quality assurance
- Impoundment construction certification
- Impoundment slope stability analysis
- Environmental spill response management and remediation
- Subsidence evaluations and investigations
- Geo-database management
- Water supply inventories and pre-mining surveys
- Pre-mining structure/property subsidence modeling and mitigation planning
- Wetland determination, delineation and restoration
- Landslide evaluation and remediation
- Water supply and water and wastewater treatment services
- Design, construction, operation and maintenance of acid mine drainage (AMD) treatment systems
- Refuse and slurry impoundment permitting and design
- Geotechnical design and siting of surface facilities
- Geological and hydrogeological investigations
- Ground water, surface water, and mine discharge monitoring
- Regulatory liaison and compliance



Surface mining site in Western Pennsylvania

WATER SUPPLY AND WASTEWATER TREATMENT SERVICES

Penn E&R's engineers, geologists and hydrogeologists specializing in water supply and wastewater treatment implement solutions tailored to our clients' needs and project goals. Our team has decades of experience performing water quality studies and designing and installing turnkey water supply and wastewater treatment systems for both small and large quantity users spanning a wide variety of disciplines.

Water Supply

Penn E&R's engineers and geologists have completed water quality, supply and resource management studies for federal, state and regional agencies, water resource authorities, land development organizations and private industries. Our experts have provided our water supply design and construction services across a wide variety of geologic environments, including karst, coastal plain, mountainous regions, lowland and riparian areas.

Our services include:

- Water resource exploration
- Potable water supply projects from single dwelling on-lot systems to major industrial and municipal supplies
- Golf course irrigation supplies
- Water supply economic feasibility analyses
- Well field analysis
- Development and installation of ground water supply wells, subsurface radial water withdrawal systems and surface water collection systems including submerged lateral infiltration systems

Wastewater Treatment

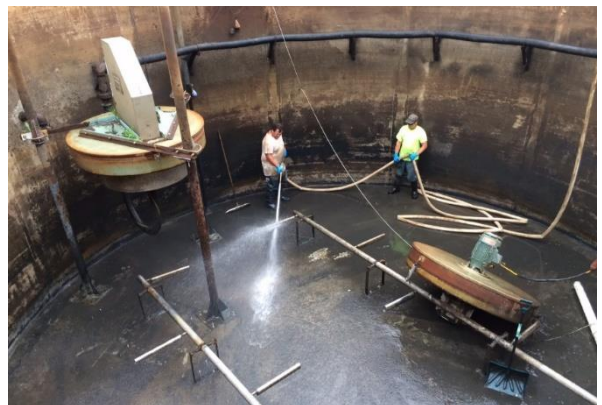
Penn E&R has provided turnkey wastewater treatment solutions for various public and private entities ranging from municipalities to manufacturing companies.

Our services include:

- Wastewater treatment system design
- System upgrade designs for existing treatment plants
- Recycling and waste minimization assessments
- Application of industrial pretreatment and local limit requirements
- Permitting services



Penn E&R designed and installed an innovative water supply and treatment system for a resort in central Pennsylvania.



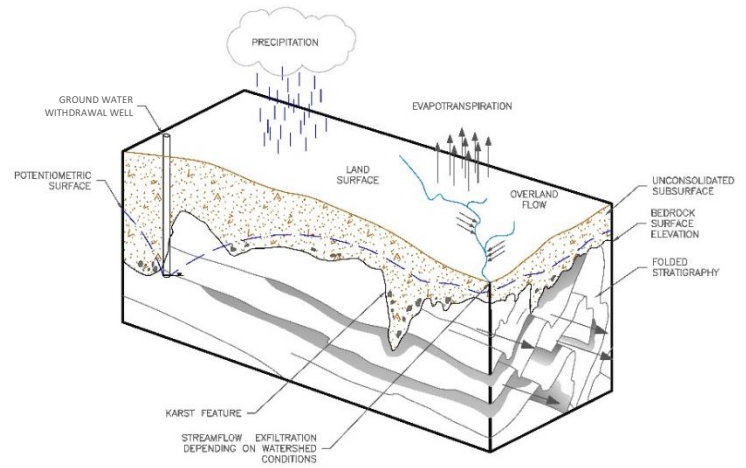
Technicians clean the interior during a series of upgrades to the system.

HYDROGEOLOGIC INVESTIGATION SERVICES

Penn E&R's technical staff provides expert hydrogeological services to yield critical information about subsurface conditions whether you are looking to develop a water supply or investigate the extent and migration of subsurface contaminants. Our team has completed hundreds of hydrogeologic assessments and has demonstrated the ability to formulate and implement technically sound, cost-effective solutions that satisfy regulatory requirements and get results.

Our hydrogeologists have a comprehensive understanding of ground water dynamics, including expertise in ground water flow in saturated and unsaturated zones, the evaluation of flow-system boundary conditions, contaminant transport and computer modeling. We have performed aquifer tests in all types of ground water systems to do the following:

- Estimate aquifer coefficients
- Characterize hydraulic connection between aquifer systems
- Identify capture zones
- Conduct contaminant transport analyses
- Optimize capture zones to control contaminant plumes while minimizing pumping and treatment costs
- Conduct contaminant fate and transport modeling



Generalized schematic of hydrogeologic cycle in a given watershed.

The geologic environments in which we have completed aquifer tests have included karst, coastal plain unconsolidated overburden, and fractured bedrock. These studies have been conducted to fulfill a variety of objectives: to estimate aquifer parameters, characterize hydraulic connection between aquifer systems, conduct tracer analyses and design ground water withdrawal and recovery systems.

With various computer platforms, we have evaluated geo-pressure trends, ground water flow systems and contaminant transport, as well as injection/production well hydraulics. We have completed aquifer tests and obtained water withdrawal permits in the Allegheny River Basin, the Susquehanna River Basin and the Delaware River Basin. At Penn E&R, we approach hydrogeologic assessments according to the following goals:

1. To produce an accurate, complete understanding of the ground water system efficiently and at a reasonable cost.
2. To derive the data required to support "no further action" decisions, where appropriate.
3. To design and implement optimal aquifer restoration or resource development systems.

INSURANCE, LITIGATION SUPPORT & EXPERT TESTIMONY SERVICES

Penn E&R provides insurance companies and law firms with litigation support and expert testimony in claims and cases involving environmental issues. Clients depend on our technical and regulatory knowledge to review reports and documents and deliver clear, effective consultation regarding complex environmental and engineering disputes.

Penn E&R is experienced in providing multi-disciplinary consulting services to investigate environmental insurance claims and assist in litigation support. Our clients depend on Penn E&R to organize and reduce extensive technical, financial and regulatory documentation, and to deliver clear, defined opinions regarding complex technical, regulatory and financial issues relating to environmental matters. Our technical personnel have participated in public hearings and civil court proceedings associated with geologic, hydrogeologic, and contaminant fate and transport investigations, waste management practices, environmental assessments and water resources at numerous industrial sites, surface and underground mining operations, and oil and natural gas exploration and development operations. Over the past two years Penn E&R professionals have participated in five litigation cases and have authored three expert reports and have been qualified as a technical expert in three cases.

Our services include:

Environmental Forensics

- Source and timing of contaminant releases
- Contaminant source(s) identification and release history
- Historic manufacturing practices, waste handling and regulatory requirements

Cost of Claim Investigation

- Necessity and appropriateness of response actions
- Expert Opinion of response costs
- Segregation of normal business expenditures from environmental response costs
- Claim database development and management

Litigation Support

- Assist in document discovery
- Assist in preparing for fact witness depositions
- Evaluate and summarize technical information
- Forensic analysis
- Technical evaluation of policy exclusions
- Development of expert opinions and classic expert reports
- Assistance with the preparation of affidavits
- Development of technical exhibits
- Provide expert testimony



PROFESSIONAL RESUMES

Penn E&R staff have a wide range of experience to meet your specific needs. Professional resumes for our senior personnel are included in the following pages. Resumes for other project teams can be provided at your request.



WILLIAM J. PONTICELLO PG

PRESIDENT



Mr. Ponticello has over 30 years of experience in environmental geology, ground water hydrology, water quality studies and waste management investigations. His area of technical expertise centers on ground water movement through porous and fractured media. He has served as a project consultant or technical supervisor for a variety of ground water and contaminant transport investigations. Mr. Ponticello has consulted many legal, government and industrial clients on environmental issues. He has coordinated, designed and directed Remedial Investigations and Feasibility Studies and a variety of projects under the New Jersey Department of Environmental Protection (NJDEP) Spill Act, Industrial Site Recovery Act and Remediation Reform Act, the Pennsylvania Department of Environmental Protection (PADEP) Act 2 Program, and the United States Environmental Protection Agency (USEPA) Resource Conservation and Recovery Act and Superfund.

AREAS OF EXPERTISE

- Environmental site characterization
- Design and implementation of soil and ground water remediation systems
- Environmental permitting
 - Estimation of aquifer parameters
 - Characterization of aquifer systems
 - Ground water resource evaluation
 - Watershed hydrology
- UST plume migration
- Underground injection control
 - Hydrogeologic karst hazard analyses
 - Remediation including design of ground water remedial systems
- Hydrogeologic environmental assessments, impact studies and source water applications
- Local, state and federal regulatory compliance
- Regulatory interpretation and negotiation
- Expert testimony and litigation support
- PADEP Act 2 Program
- NJDEP Remediation Reform Act

PROFESSIONAL AFFILIATIONS

- Former Member Board of Directors – Pennsylvania Council of Professional Geologists, Past President
- Association of Ground Water Scientists and Engineers
- Manuscript Review Provided - Journal of Ground Water
- Water Resources Association of the Delaware River Basin

PROJECT EXPERIENCE

Hazardous and Solid Waste | Various Locations

Mr. Ponticello served as Project Manager for a \$2 million plus Superfund site investigation in western New York. This site once ranked as the nation's sixth most hazardous Superfund site. The area was comprised of an uncontrolled hazardous waste landfill and abandoned oil refinery covering 100+ acres. The project entailed integrated site assessments to determine contaminant impacts and recommended remedial alternatives. Field efforts included hydrogeologic testing, geotechnical analyses, geophysical surveys and extensive sampling programs (soil borings, drum excavation, test pits and ground and surface water sampling). The project also included an interim remedial measure study to abate potential hazard posed by the site to nearby residential communities and the local water supply.

Ground Water Flow System Analysis and Modeling

Mr. Ponticello has designed and conducted numerous ground water flow system analyses in a wide variety of geologic settings and aquifer conditions. The geologic environments have included karst, coastal plane and unconsolidated overburden and fractured bedrock. These studies have been conducted to fulfill a variety of objectives: to estimate aquifer parameters, characterize hydraulic connection between aquifer systems, conduct tracer analyses and design ground water withdrawal and recovery systems.

With various computer platforms, Mr. Ponticello has acquired modeling experience in geopressure trend assessment, ground water flow systems and contaminant transport as well as injection/production well hydraulics. He has received formal education in both the ground water flow and solute transport aspects of ground water modeling at the Butler University International Ground Water Modeling Center. He has used modeling simulations to evaluate aquifer flow patterns as well as to track contaminant plumes. He has also used computer modeling to predict future aquifer flow regimes and contaminant plume locations in response to a variety of aquifer stimulations. His experience includes the application of both numerical and analytical modeling techniques for determining aquifer characteristics, the volume and migration of leachate generated from landfills and the concentration of contaminant plumes.

Mr. Ponticello developed a two-dimensional solute transport simulation to determine the impact of removing a contaminant source from a water table aquifer in Kent County, Delaware. The model used for this simulation was based on the finite-difference solution technique. The calibrated model was used to determine the feasibility of interceptive pumping techniques for contaminant recovery.

WILLIAM J. PONTICELLO PG

PRESIDENT



EDUCATION/CREDENTIALS

Professional Geologist, Commonwealth of Pennsylvania

B.S., Geology/Earth Science, Pennsylvania State University

POST-GRADUATE TRAINING

Leadership Resources-Executive Time Management (40 hrs)

USEPA-Transport and Fate of Contaminants in Subsurface (24 hrs)

International Ground Water Modeling Center, Butler University - Practical Aspects of Ground Water Modeling (32 hrs)

NWWA - Introduction to Ground Water Modeling Phases I and II (32 hrs each)

OSHA - 1910.120 Hazardous Waste Training (40 hrs) (Refresher and Supervisors Training each subsequent year)

Schlumberger Management Training (40 hrs)

Schlumberger Well Log Interpretation Training (80 hrs)

PUBLICATIONS

USEPA - Technical Manual - Borehole Geophysical Applications for the Evaluation of Mechanical Integrity in Underground Injection Wells - USEPA, UIC Program

Ground Water Contamination - A Physical and Chemical Approach - Undergraduate Thesis - Pennsylvania State University

PROJECT EXPERIENCE (CONTD.)

Mr. Ponticello served as Technical Supervisor for a Superfund site investigation in State College, Pennsylvania. His responsibilities included evaluating extensive previously developed ground water and soil quality data and developing a work plan to address the data gaps identified as well as the evaluation of ground water flow paths and contaminant transport pathways through this extremely complex karst bedrock flow system.

Mr. Ponticello developed a ground water flow and contaminant transport model for the evaluation of remedial actions at a Superfund site in Ocean County, New Jersey. The model was used as a tool to evaluate interceptive pumping techniques. He used analytical techniques to evaluate capture zones for a series of ground water recovery wells at a contaminated site in Bergen County, New Jersey. This analysis afforded NJDEP permitting of the proposed remedial action.

Water Resources Development/Evaluation

Mr. Ponticello was responsible for determining the technical feasibility of utilizing an abandoned stone quarry as a potable water supply resource. He used numerical simulations to evaluate quarry discharge under various hydrogeologic stresses. This allowed the determination of anticipated short-term and sustained yield. This information supported litigation efforts by the U.S. Department of Justice.

Mr. Ponticello was Project Consultant and Technical Supervisor for the development of a ground water supply for a proposed golf course in Montgomery County, Pennsylvania. The project included fracture trace analyses, locating test wells, design and installation of production wells, aquifer pump testing and the preparation of a hydrogeologic report detailing a water budget, recharge/discharge relationships and the determination of the impacts of high yield withdrawal. He oversaw the application and permitting of an approximately 500,000 gallons per day (gpd) ground water withdrawal through the Delaware River Basin Commission, including presentations at public meetings and formal hearings.

Mr. Ponticello served as Project Manager and Technical Supervisor for the development of a ground water supply for potable and golf course irrigation requirements in Pike County, Pennsylvania. The project resulted in state and local permitting for a withdrawal in excess of 250,000 gpd and included public meetings and formal hearings regarding the potential migration of contaminants from a local unpermitted waste dump to residential properties.

Mr. Ponticello evaluated the water chemistry and biology of Teedyuskung Creek upstream and downstream of Woodloch Springs, Wayne County, Pennsylvania, to determine whether significant ecological effects occurred in the stream due to residential/golf course development. To protect the downstream water resources, especially the Lackawaxen River, he designed and implemented a biannual upstream-downstream sampling program to evaluate water chemistry parameters (turbidity, nutrients, pesticides) and associated stream biological communities (benthic organisms). Using water chemistry data together with these sensitive biological indicators, he assessed the relative impact and offered recommendations for mitigating such impacts.

Mr. Hurt has over 18 years of engineering and environmental consulting experience. His technical background is civil site design and environmental and land development permitting. His experience includes various project management, client development and management and leadership roles serving clients in the power/energy sector including traditional power generation, electric transmission, oil and gas production and transmission, and renewables.

AREAS OF EXPERTISE

Civil site design including grading and drainage plans
NPDES Construction Earth Disturbance Permitting
Erosion & Sediment Control plans
Stormwater Management plans including design of BMPs and infiltration testing
Hydrologic and hydraulic designs/drainage plans
Land Development plans including CUPs and SEPs
Construction Packages
Construction Phase Services
Floodplain studies, civil survey, geotechnical investigations
Stream and wetlands surveys
Wetland Impacts and wetland mitigation plans

PROJECT EXPERIENCE

Solar Development | Northeastern Region

Mr. Hurt served as Program Manager providing utility scale solar development consulting services including environmental services, cultural resources, civil survey, geotechnical, low voltage (PV array layout), civil site design, and county permit preparation and approvals to support the client's issuance of an RFP to contractors using the EPC (design-build) execution model.

Engineering Services | Coal Fired Power Stations

Mr. Hurt served as the Program Manager providing engineering consulting services spanning the clients seven coal fired power stations including design, permitting, and construction phase services for two coal combustion residual landfills each over 200 acres in size; performing annual inspections and reports associated with the client's fleet of impoundments and landfills (totaling over 40); design, permitting, and construction phase services associated with one-off civil engineering projects such as haul-roads, stormwater ponds, and force mains.

Engineering Services | Natural Gas Station

Mr. Hurt managed a project for a compressor station included two natural gas compressors totaling 22,200 horsepower on a 5 acre cement soil stabilized and aggregate surface. Project scope included civil site design (grading and drainage plans) including two detention ponds. He oversaw state and local land development and earth disturbance permitting, geotechnical investigation, testing, and reporting, floodplain study, water service design and permitting, and on-site septic system design and permitting.

EDUCATION/CREDENTIALS

Licensed Professional Engineer
(PA, OH, WV, CO, KY, MD, MI,
NC, NY, VA)

B.S., Civil and Environmental
Engineering, University of
Pittsburgh

M.B.A, Point Park University

Member of American Society of
Civil Engineers

Member of US Solid Waste
Advocacy Group

Member of American Coal Ash
Association

Member of Virginia Renewal
Energy Alliance

PROJECT EXPERIENCE (CONT.)

Engineering Services | Virginia

Mr. Hurt managed a project for a compressor station that included a 2 acre compressor station pad and 2 acre substation pad. Project scope included civil site design (grading and drainage plans), design of a multi-cell wet pond and wetland, and state and local land development and earth disturbance permitting. He provided coordination and oversight of a subcontractor completing geotechnical investigation, testing, and reporting and design of a MSE wall for the embankment of the wet pond.

Engineering Services | Natural Gas Pipeline Project

Mr. Hurt managed a pipeline project totaling 13.3 miles of 24 inch diameter natural gas pipeline and 1.2 miles of 16 inch diameter natural gas pipeline. Project scope included rare threatened and endangered species surveys and clearances, cultural resource studies and clearances, stream and wetland investigations, and preparing and obtaining environmental permits (PADEP Chapter 102, ESCGP Permit, PADEP Chapter 105 Permit, and USACE Permit).

DAVID S. BAUSMITH, PE

VICE PRESIDENT

Mr. Bausmith is Professional Engineer with 25+ years of experience in site/civil engineering and environmental remediation. His areas of expertise include environmental compliance, innovative remediation technologies, Brownfield redevelopment and extensive experience with NJDEP SRRA, ARRCs and LSRP regulations.

AREAS OF EXPERTISE

- ◇ Brownfield Cleanup & Redevelopment
- ◇ In-situ soil and groundwater remediation
- ◇ E&S control design, plan preparation, permitting and inspection
- ◇ Stormwater management plans and calculations
- ◇ Hydraulic and hydrologic calculations, including storm sewer and culvert design
- ◇ National Pollutant Discharge Elimination System permit/plan preparation
- ◇ Superfund & RCRA facility closure
- ◇ Preliminary plan preparation and conceptual studies
- ◇ Construction plan preparation
- ◇ Earthwork design and cut/fill analysis
- ◇ Environmental Assessments (Phase I/Phase II), Site Investigation, and Remedial Action Work Plans
- ◇ Pennsylvania Department of Transportation Highway Occupancy Permit/plan preparation

EDUCATION/CREDENTIALS

- ◇ Licensed Professional Engineer (AL, CT, D.C., DE, FL, GA, MA, MD, MS, NC, NJ, NY, PA, SC, TN, VA, WV)
- ◇ M.S., Civil & Environmental Engineering, University of Pittsburgh
- ◇ B.S., Civil Engineering, University of Pittsburgh
- ◇ NJDEP Certified UST/Subsurface Inspector
- ◇ OSHA 40-hour HAZWOPER

PROJECT EXPERIENCE

Brownfield Commercial Remediation/Redevelopment (Manhattan, NY)

The project involved investigation and remediation of contaminants associated with former automotive garage and petroleum storage tanks to support development of the property as a new 40-story, \$120 million commercial hotel. Responsible for plan development for investigating soil, vapor, and groundwater contamination at the property, and design of remedial actions for the new development in accordance with State of New York and New York City regulations. The remedial design included: a composite engineered cover incorporating features of the new building foundation; excavation of contaminated soil; and, in-situ chemical oxidation of contaminants in groundwater. Responsible for construction quality assurance inspections and preparing the regulatory closure report documenting that remedial actions were completed in accordance with the approved design. Regulatory approval of Remedial Investigation and Remedial Action Work Plan (RAWP) within one year, and No Further Action (NFA) for ground water within two years. Project ultimately received case closure with NYSDEC and NYC Office of Environmental Remediation (OER).

Commercial Dry Cleaner (NYSDEC Superfund) Remediation (Long Beach, NY)

The project involved the investigation and remediation of soil, groundwater, and soil vapor contaminated as a result of historical releases of dry-cleaning solvent at NY Superfund Site. Responsible for overall management of investigation, remediation plan design, and regulatory reporting. Designed the in-situ chemical oxidant (potassium permanganate) plan for destruction of contamination present in impacted, saturated subsurface soil. To address contamination in unsaturated soil and vapor beneath on-site buildings, designed a 300 standard cubic feet per minute soil vapor extraction (SVE) blower with catalytic oxidation treatment system enclosed in temporary building. The designed system included appurtenant piping, valves, and controls.

DAVID S. BAUSMITH, PE

VICE PRESIDENT

Brownfield Multi-Family Residential Development (Great Neck, NY)

Project involved investigation and remediation of a former automotive garage property to support construction of a new residential housing. Served as technical project lead and senior manager, responsible for the site investigation in accordance with Nassau County Department of Health requirements. Designed the sub-slab depressurization system (SSDS) to mitigate potential vapor intrusion beneath the proposed residential building, including horizontal soil vapor vent piping integrated with the building foundation, and in-line blowers for each vent to evacuate soil vapors and safely discharge them to the atmosphere. The design included a control panel and alarm system to alert the operator in the event of system malfunction.

In-situ Remediation/Site Redevelopment (Greenwich, CT)

Senior engineer and technical manager on investigation and remediation of pesticide-contaminated soil at a property to support site redevelopment. Site investigation delineated arsenic and other pesticide contamination over approximately 0.25-acres of the property up to a depth of approximately six feet beneath ground surface. Designed a plan to excavate approximately 430 tons of highly contaminated soil and blend the remaining soil in situ using excavator-mounted mixing equipment. Post treatment sampling and analysis confirmed that the designed remedy was effective in reducing contaminant levels below applicable State of Connecticut standards.

Pennsylvania Act 2 Cleanup (Hazleton, PA)

Senior remedial design engineer for investigation and remediation of soil, groundwater and soil vapor to support redevelopment of the property. The contamination was related to historical releases of dry-cleaning solvent. Designed and supervised a pilot test for evaluating the performance of SVE at remediating solvent-contaminated soil vapor. Based on the results of the pilot test, designed the full-scale SVE and treatment system using granular activated carbon treatment. Also utilized site-specific hydrogeological and contaminant data to design the quantity of potassium permanganate required to oxidize chlorinated solvents PCE, TCE and related daughter products in ground water.

Commercial Vapor Mitigation Systems (Various Sites in NY, NJ, VA, FL)

Lead engineer and client/regulatory manager for pilot testing, design, and installation of passive and active (i.e., sub-slab depressurization) vapor mitigation systems for existing construction and new building developments up to 25,000-square feet in size. Systems designed to minimize adverse impacts to architecture and construction schedule, while providing safe, effective indoor air quality at sites with potential on-site and/or off-site sources of subsurface VOCs. Responsible for developing AEI's regional sub-slab depressurization field pilot testing protocol and personnel training.

Transportation Authority Regulatory Compliance Services (NJTA, NJDOT, NJ Transit)

Served as senior project manager and primary client contact for multi-year, on-call environmental engineering projects exceeding \$3 million for NJ Transit, New Jersey Turnpike Authority, and New Jersey Department of Transportation. Responsible for contract administration, financial management and technical design of soil and groundwater investigation/remediation projects including free product recovery, in-situ remediation, and ground water pump and treat at motorist fueling/service areas. Coordinated beneficial reuse of groundwater remediation systems between NJDOT and NJTA.

Renewable Energy Permitting/Compliance (Various Sites in ME, VA, TN, NJ)

Provided compliance audits and stormwater general permitting for solar field development on former landfills in VA and ME. Prepared site management plans and EV charging station design support for new vehicle charging stations at properties undergoing soil cleanup in TN and NJ.

DAVID S. BAUSMITH, PE

VICE PRESIDENT

Former Wood Treatment Site Remediation/Redevelopment (Port Newark and Woodbridge, NJ)

Served as field and design engineer during remediation/redevelopment of a former wood treating facilities between 8 and 65 acres in size that historically utilized chromated copper arsenate (CCA) and/or creosote. Utilized laser-induced fluorescence to investigate subsurface Non-Aqueous Phase Liquids (NAPLs), which reduced remediation requirements by ~15%, and resulting in client cost-savings of ~\$100K. Field supervision of in-situ soil stabilization of 15,000 CY and 54,000 CY of contaminated soil, which concurrently stabilized CCA/creosote contamination and improved subgrade strength, reducing total remedial costs up to \$500K and leading to No Further Action (NFA) from regulators. Completed engineering design of surface cover using cement-stabilized soil and asphaltic concrete, water supply system, and site drainage system. Provided field construction quality assurance to ensure contractor's compliance with remedial construction specifications to meet Port Authority of NY/NJ requirements.

Former Coke & Coke By-Products Facility Remediation/Redevelopment (Kearny, NJ)

Field and design engineer during remediation/redevelopment of 125-acre former coke and coke by-products facility impacted by coal tar NAPL, chromium, coke gas purification and related contaminants in soil, groundwater and river sediments. Assisted in design, waterfront permitting, and remedy implementation including NAPL containment/recovery, monitored natural attenuation (MNA) and site-wide cover system. Responsible for design and field quality assurance during construction 4,500 LF slurry wall, 6,000 LF steel sheet pile wall, waste pile treatment, and surface cover construction. Designed site drainage and grading/earthwork plans for engineered surface cover consisting of cement-stabilized dredge material.

PUBLICATIONS/PRESENTATIONS

- ◇ Bausmith, David S. and Rossi, Christopher, "Sustainable Remediation – A Case Study", November 16, 2009, Presentation at the EPA National Brownfield Conference, New Orleans, Louisiana.
- ◇ Bausmith, David S., "Brownfield Redevelopment and Environmental Considerations", Chapter 17, Land Development Handbook, Third Edition, Dewberry®, McGraw-Hill, 2008.
- ◇ Bausmith, David S., "Cementing DNAPLs", Pollution Engineering, November 2002, pp. 20-23.
- ◇ Bausmith, David S., "Remediation/Redevelopment of Former Wood Treating Facility Using Chemical Fixation/Stabilization Technology", September 2002, Presentation at the 5th Annual Florida Brownfield Conference, Pensacola, Florida.
- ◇ Bausmith, David S., Brouman, M.D., Ting, M., and Zubrow, J.S. "Demonstration of Groundwater Containment Through the Use of Barrier Wall and Surface Cover Systems and Natural Attenuation", Presentation at 2001 International Containment and Remediation Technical Conference and Exposition, Orlando, FL, June 2001.
- ◇ Cervenak, D., Bausmith, D., Brouman, M.D., and Mullins, K. (2000) "Stabilization of DNAPL at a New Jersey Brownfield Site", Presentation at Brownfields 2000, Atlantic City, New Jersey.
- ◇ Bausmith, D.S., and Neufeld, R.D., "Soil Biodegradation of Propylene Glycol Based Aircraft Deicing Fluids", Water Environment Research, (July/August 1999), Volume 71, No. 4, pp. 459-465.
- ◇ Bausmith, D.S., and Neufeld, R.D., "Land Treatment of Aircraft Deicing Fluids", October 1996, Presentation at 96th Annual Water Environment Federation and Technology Conference, Dallas, Texas.
- ◇ Bausmith, D.S., Campbell, D., and Vidic, R.D., "In-Situ Air Stripping", Water Environment & Technology, (February 1996), pp. 45-51.

Mr. Walsh has over 30 years of experience in hydrogeological assessment, soil and ground water remediation, permitting and compliance, water source and public water system development, and the oil and gas industry. His clientele have included industrial corporations, developers, private water entities, real estate investment trusts, oil and natural gas operators and producers, water infrastructure and treatment engineers, solid waste authorities, power and water utilities, municipalities and refineries throughout the mid-Atlantic region.

Mr. Walsh is well-versed in regulations and programs set forth by the EPA and PADEP, including the Act 2 program, CERCLA, RCRA, TSCA, NPDES, ISRA, Sara Title III and programs associated with solid and residual waste and underground storage tanks (USTs). For years he managed a Cone Penetrometer Test drilling business in the greater Philadelphia area where he completed projects in excess of \$1 million with the EPA and state environmental protection agencies in Pennsylvania, New Jersey, Delaware, West Virginia and New York.

AREAS OF EXPERTISE

Local, state and federal regulatory compliance
Hydrogeologic karst hazard analyses
Stormwater/National Pollutant Discharge Elimination System permitting, design and infiltration evaluations
Ground water development
Hydrogeologic environmental assessments, impact studies and source water applications
Remediation including design of ground water remedial systems
Environmental water supply testing
Community water system sourcing and design
Watershed hydrology UST plume migration Underground injection control Induced recharge
Water source development for unconventional natural gas industry
High capacity water well siting, installation, development and permitting
Fracture trace analysis Wellhead protection studies Pumping tests
Expert testimony, litigation support

PROJECT EXPERIENCE

Natural Gas Exploration and Production | Northern PA

Mr. Walsh manages a team of professionals who provide design, permitting and compliance services for the natural gas industry including extensive upstream and midstream facilities. His clientele includes multiple major oil and gas stakeholders such as East Resources, Inc., JKLM Energy, Shell Corporation, Cabot Corporation, Chesapeake Energy Corporation, Williams Companies, PG&E, Southwest Oil, CNX Resources, EQT Corporation and Antero Resources Corporation.

Unconventional Shale Gas Drilling Pad Release | Northern PA

Mr. Walsh directed the environmental assessment and closure of an unconventional shale gas drilling pad release. This project included an extensive fractured bedrock aquifer assessment, routine sampling of more than 120 ground water and surface water locations, and nearly 1,000 environmental samples collected for chemical analysis. Temporary water supplies were provided as part of the immediate response as well as long term aquifer monitoring to assure isolation and protection of public and private water supplies.

Act 2 Site Cleanup | Various Locations throughout Pennsylvania

Since 1995, Mr. Walsh has directed various Pennsylvania Act 2 characterization and remediation projects. These projects include soil and ground water remediation and often also entail the successful redevelopment of sites for subsequent issuance of Act 2 closure and waiver-of-liability.

Environmental Compliance Audits | Various Locations

Mr. Walsh has performed environmental compliance audits for numerous industrial and manufacturing facilities. Typically, these audits were performed to support a corporate merger or acquisition. Compliance issues that were encountered and remedied have included RCRA storage and disposal, Spill Prevention, Control and Countermeasure Plan compliance, stormwater permits, air emissions, wastewater treatment and discharge, underground and aboveground storage tanks and Sara Title III. In multiple cases, OSHA compliance components were also addressed.

JEFFREY K. WALSH PG

VICE PRESIDENT



EDUCATION/CREDENTIALS

M.A., Hydrogeology, Temple University
B.S., Geology, Calvin College
Licensed Professional Geologist (PA, DE, NY)
OSHA Site Supervisor and Hazardous Waste Operations Certification
PEC-SafelandUSA Oil & Gas Safety Training Certification
Hydrogen Sulfide Safety Awareness Training

AFFILIATIONS

Growth Resources of Wellsboro (GROW) – Board Member
Philadelphia Building Industry Association (BIA)
Pennsylvania Independent Oil & Gas Association (PIOGA)
Pennsylvania Council of Professional Geologists (PCPG) – Former Board Member
Philadelphia Geologic Society
Marcellus Shale Coalition West
Mont Christian Academy, Pottstown, PA – Former School Board Member and President

PROJECT EXPERIENCE (CONTD.)

Superfund Cleanup | Various Locations

Mr. Walsh directed the cleanup of a Superfund Site in Bucks County, Pennsylvania which involved the excavation of approximately 3,000 tons of soil impacted by polychlorinated biphenyls (PCBs), wetland restoration and debris decontamination. The site was remediated to meet federal and state cleanup standards and successfully prepared for residential development.

Mr. Walsh served as Project Manager for a \$2 million Superfund project in Central Pennsylvania. This project included a comprehensive site investigation, evaluation of chemical and hydrogeologic data, completion of a baseline risk assessment, development of remedial alternatives, and design and implementation of a Phase II sediment toxicity investigation. Mr. Walsh worked closely with the EPA and PADEP through the duration of this project.

Technical Oversight | Various Locations

Mr. Walsh provided technical oversight for remedial work at Valley Forge General Hospital, a Formerly Used Defense (FUD) site in southeastern Pennsylvania. The United States Army Corp of Engineers (USACE) performed all site work and Mr. Walsh provided oversight on behalf of the host township. The project included the assessment of an off-site dissolved volatile organic plume, on-site encapsulation of incinerator ash, regulatory coordination on the state and federal level and attendance at numerous public meetings.

Atmospheric Ambient Air and Soil Gas Assessment | Appalachia

Mr. Walsh managed a field sampling team that collected representative atmospheric and soil gas samples for laboratory analysis in 2017. Regional atmospheric field measurements were also collected as part of the project. Analyte concentrations (in air) were quantified via the procurement and use of a select analytical laboratory, which obtained precise detection limits. This project was completed on a strict, accelerated deadline of just six weeks.

SEAN M. DONOVAN

VICE PRESIDENT

Mr. Donovan has more than 25 years of experience in the environmental consulting industry. His areas of expertise include professional project and design engineering for utilities, industrial clients, law firms, financial institutions, developers, municipalities and governmental agencies. Mr. Donovan also has experience in implementation of concept, feasibility and economic studies as well as eventual design and implementation of various and wide-ranging water and wastewater treatment projects.



AREAS OF EXPERTISE

- Multidisciplinary project management
- Remedial engineering and construction
- Municipal/pharmaceutical engineering
- Cost-estimating design/build/operate projects
- Steam distribution system design
- Environmental permitting for water and wastewater treatment systems
- Control system development using process instrumentation systems including distributed control system, programmable logic controller and human machine interface technology
- Design engineering for subsurface volatile organic compound (VOC) remediation
- Turnkey system installations
- Preparation of construction

PROJECT EXPERIENCE

15-Mile Conveyance Pipeline | Western PA

Mr. Donovan served as Project Engineer for the design, permitting and construction of a 15-mile pipeline to convey treated mine water for discharge to the Monongahela River outside Pittsburgh. The pipeline, which had a diameter of 26 inches, was designed to handle flow upwards of 8,500 gallons per minute. It was designed and installed in the right-of-way of an active railroad, which involved significant permitting, engineering and geotechnical challenges spanning four townships and two counties. This project was valued at more than \$40 million.

Surface Water Intake | Northcentral PA

Mr. Donovan acted as Project Engineer and Construction Manager for the design and construction of three turnkey, one million gallon per day (mgd) surface water intake projects for a large oil and gas client. The projects, valued at \$4.2 million, involved conveyance, storage and tanker load out facilities.

Water Supply and Wastewater Treatment | Pennsylvania

Mr. Donovan designed, permitted and led the construction of a 0.5 mgd potable water drinking system upgrade that significantly reduced dissolved iron concentrations at a first-class resort in southwestern Pennsylvania. The water was needed to meet the daily needs of its guests and adequately irrigate its golf course. The entire project was completed on an abbreviated project schedule of 90 days.

Mr. Donovan managed the design and contract document preparation for a 250,000 gallon per day municipal wastewater treatment plant outside Philadelphia. The multidisciplinary project, valued at over \$7 million, included civil-state, architectural, electrical, mechanical, structural and geotechnical services.

SEAN M. DONOVAN

VICE PRESIDENT



EDUCATION/CREDENTIALS

Engineer in Training, Commonwealth of Pennsylvania

OSHA 40-hour Hazardous Waste Operations and Emergency Response Certification

Piping Design, Analysis, Fabrication Certification

Practical Process Piping Fundamentals Certification

Professional Memberships: ASCE, NSPE, AWWA, WEF, ASHRAE and NFPA

B.S., Civil Engineering, Drexel University with significant course work in Chemical Engineering

Associates Degree, Architectural Design/Construction Technology, American Institute of Design

PROJECT EXPERIENCE (CONTD.)

Remediation System Design and Construction | Central PA

Mr. Donovan has designed and installed numerous two-phase vacuum extraction (TPVE)/air sparging (AS)/soil vapor extraction (SVE) systems. He has engineered significant improvements to standard technology that have enhanced performance and lowered installation and operating costs. These improvements have allowed vacuum pressures to be distributed across greater surface areas of unsaturated VOC-impacted subsurface. They have also improved VOC mass extraction rates in both overburden deposits and bedrock aquifers at numerous sites with TPVE/AS/SVE systems.

Acid Mine Drainage Site Operations | Central PA

Mr. Donovan improved operations at several acid mine drainage (AMD) sites in the central Pennsylvania region. He was responsible for implementing treatment system improvements at two 0.4 mgd AMD collection, conveyance, treatment and disposal systems. Mr. Donovan conducted technical feasibility analyses and alternative analyses to reduce the oxidation potential of water passing through closed mine areas.

RONALD F. DOUMONT M.Agr.

ASSISTANT VICE PRESIDENT



Mr. Doumont has more than 30 years of environmental consulting experience serving the mining, oil and gas, and environmental assessment and remediation industries. His areas of expertise include oil and gas facility inspection services; permitting and operational aspects of municipal, residual and hazardous waste management; underground and surface activity site coal mine site design and permitting; low-level radiological site characterization and decommissioning; state voluntary and Resource Conservation and Recovery Act (RCRA) programs including site facility investigation, corrective measures studies, risk assessment, and facility closure; Phase I and II environmental assessment; and soil science studies. Mr. Doumont also has considerable experience negotiating with local, state and federal agencies.

AREAS OF EXPERTISE

- Coal mining services including
 - underground mine and associated surface activity site permitting, water resource and structure inventories, pre-mining property surveys (structure and water supplies); subsidence modeling and mitigation planning, and site construction Quality Assurance oversight
- Low-level radiological site decommissioning and final status surveys (SDMP action plan criteria and MARSSIM based)
- RCRA facility closure activities including planning, implementation and certification reporting
- RCRA corrective action programs – facility investigations, corrective measures studies and risk assessments
- Expert witness and litigation support
- Routine ground water monitoring and reporting

PROJECT EXPERIENCE

Oil and Gas Industry

Mr. Doumont serves as Project Manager for an oil and gas facility inspection service program for a major oil and gas stakeholder with assets spanning Pennsylvania, West Virginia and Ohio. This project involves the routine inspection of erosion and sediment and stormwater management controls and best management practices for hundreds of sites. Inspections are also conducted promptly following qualifying rain events, requiring close project and budget coordination with the client. Mr. Doumont is also responsible for the coordination and scheduling of personnel who conduct these inspections on a routine basis.

Mining Industry

Mr. Doumont has managed and directed numerous underground and associated surface activity coal mining site design and permitting projects over the last ten years for a major mining concern in southwestern Pennsylvania. He most recently directed the preparation of a permit application for a new underground mine and associated shaft surface activity site in Greene County, Pennsylvania. The permit application was administratively accepted by the Pennsylvania Department of Environmental Protection with minimal comments and is currently under technical review. Mr. Doumont has managed the low-level radiological decommissioning of an analytical testing facility located in New Jersey, two confidential research and testing facilities located in Pennsylvania, and a former aluminum processing plant located in Oklahoma.

RONALD F. DOUMONT M.Agr.

ASSISTANT VICE PRESIDENT



EDUCATION/CREDENTIALS

M.Agr., Agronomy/Soil Science,
Pennsylvania State University

B.S., Environmental Resources
Management, Pennsylvania State
University

- Soil Science Emphasis

Radiation Worker Safety Training

Troxler Nuclear Density Gauge
Training Course

OSHA 40-hour Hazardous Waste
Operations and Emergency
Response Certification

PROJECT EXPERIENCE (CONTD.)

He has overseen the preparation of several county and governing township planning submittals for surface activity sites in Greene County, Pennsylvania.

Mr. Doumont has managed multiple bleeder shaft and air shaft site permitting and design projects spanning western Pennsylvania. He has managed the preparation of several county and governing township planning submittals for surface activity sites. He has also directed hundreds of pre-mining property survey projects. Mr. Doumont has managed several high profile surface activity site mining projects involving construction oversight and multiple permit compliance evaluations.

Environmental Assessment and Remediation Services

Mr. Doumont has managed projects with budgets exceeding one million dollars involving RCRA corrective actions and facility closures, low-level radiological site decommissioning activities and coal mining site design and permitting. He is also thoroughly experienced in the management of project staff. He has served as Project Manager, Group Manager and Manager of Technical Services for a highly recognized western Pennsylvania environmental consulting firm.

Mr. Doumont has managed the RCRA facility investigation and closure of several former hazardous waste drum storage areas and two F019 surface impoundments located in central and northeastern Ohio. He has also managed a national routine ground water monitoring and reporting contract for a client with over 30 industrial sites.

Mr. Doumont has managed the RCRA corrective action programs (facility investigations, corrective measures studies and risk assessments) for former steel manufacturing facilities located in northwestern Pennsylvania and northeastern Ohio as well as a chemical processing facility located in southeastern Pennsylvania.

HEALTH AND SAFETY

At Penn E&R, we are dedicated to the health and safety of our employees as well as all clients, subcontractors and visitors that fall under our purview. This commitment is a critical aspect of our organization and is constantly evaluated by each employee.

Compliance with regulations set forth by the Occupational Safety and Health Administration (OSHA) ensures employees are working in a healthy, safe environment and limits potential liabilities for all parties. Penn E&R operates under the governance of a comprehensive corporate health and safety program manual prepared in accordance with OSHA’s Occupational Safety and Health Standards and Safety and Health Regulations for Construction.

Penn E&R is a member of ISN’s online contractor management database system known as ISNetworld. ISN connects hiring clients with safe, reliable and sustainable contractors and suppliers around the globe and allows these organizations to use ISN as an integral part of their management systems. ISN collects safety, procurement, sustainability, quality and regulatory information from contractors and suppliers, verifies its accuracy, and reports the results in an easy-to-follow format. Through ISNetworld, Penn E&R’s health and safety programs and management systems have been thoroughly evaluated by numerous companies. Through this review and evaluation process, Penn E&R has been consistently awarded the highest grades, which allows Penn E&R to provide its full spectrum of environmental, engineering and construction support services to clients across their entire business sector.



Penn E&R is also a member of PEC Safety, a technology and training company dedicated to reducing risk and improving safety for hiring clients and contractors. As a member of PEC Safety we are able to provide our services to a more expansive client pool, guaranteeing compliance with safety and industry standards.

Our Experience Modification Rate (EMR) and OSHA recordable incident rates for the last three years are provided below to highlight our excellent safety record:

	2023	2022	2021
EMR	.940	.980	0.985
OSHA TRIR	0	0	0
DART	0	0	0
LWDI	0	0	0

INSURANCE AND BONDING CAPABILITIES

Penn E&R is fully insured to provide coverage for all services described in this document. The coverage limits included in the following table may be increased to match larger project requirements:

Penn E&R Insurance Coverage Summary			
Type of Insurance	Agency Policy Number	Limits	
General Liability (incl. pollution legal liability coverage)	Aspen Specialty Insurance Company ERAGEPQ23	General aggregate	\$2,000,000
		Products-comp/op. agg	\$2,000,000
		Personal and adv. injury	\$1,000,000
		Each occurrence	\$1,000,000
		Medical expense (per person)	\$25,000
Professional/Pollution Liability	Aspen Specialty Insurance Company ERAGEPQ23	Policy limit	\$1,000,000
Umbrella Liability (Excess of general liability, pollution legal liability, professional liability)	Aspen Specialty Insurance Company EXAGEPR20	Each occurrence / aggregate	\$10,000,000
Automobile Liability (Any auto)	Hartford Fire Insurance Company 39ABS53102	Combined single limit	\$1,000,000
Workers Compensation and Employers' Liability	PinnaclePoint Insurance Company WCP7007004	Statutory Limits	
		Each accident	\$1,000,000
		Disease – each employee	\$1,000,000
		Disease – policy limit	\$1,000,000

Penn E&R is financially able to bond contracts up to \$5,000,000 for any single project and \$10,000,000 in the aggregate through its surety company. Additional information regarding the company's project-specific bonding capabilities will be provided upon request.

Penn E&R's insurance and bonding agent is:

THE GRAHAM COMPANY
The Graham Building
One Penn Square West
Philadelphia, PA 19102
(215) 567-6300

Account Manager: John Kilgarrieff

REFERENCES

Mr. Paul Berardinelli
Chubb & Son, a division of
Federal Insurance Co.
(215) 569-9660
1600 John F. Kennedy Blvd
Suite 400
Philadelphia, PA 19103

Ms. Lori Dayton
Specialty Granules, LLC
(301) 733-4000
13424 Pennsylvania Avenue
Hagerstown, MD 21742

Mr. Michael Gross, Esq.
EMR (USA Holdings) Inc.
(848) 220-2638
143 Harding Avenue
Bellmawr, NJ 08031

Mr. Patrick Imbrogno
GEO-COM LLC
(412) 269-1419
362 Indian Ridge Drive
Moon Township, PA 15108

Mr. Matthew McGuire
HG Energy, LLC
(304) 482-1400
5260 Dupont Road
Parkersburg, WV 26101

Mr. Joseph Harrick
JKLM Energy, LLC
(304) 670-7110
2200 Georgetown Drive
Suite 500
Sewickley, PA 15143

Mr. Nelson Klitzka
PPL Electric Utilities Corp.
(610) 390-5936
827 Hausman Road
Allentown, PA 18104

Mr. Aaron Koehler
Life Time Fitness
(952) 229-7793
2902 Corporate Place
Chanhassen, MN 55317

Mr. Darryl Borrelli
Manko, Gold, Katcher & Fox
LLP
(610) 660-5700
401 East City Avenue
Suite 901
Bala Cynwyd, PA 19004

Mr. Jonathan Spergel, Esq.
Manko, Gold, Katcher & Fox
LLP
(610) 660-5700
401 East City Avenue
Suite 901
Bala Cynwyd, PA 19004

Mr. Paul McIntyre, Esq.
Post & Schell, P.C.
(215) 587-1150
Four Penn Center
1600 John F. Kennedy Blvd
Philadelphia, PA 19103

Mr. Robert Hendricks
Shell Exploration and
Production Company
(724) 772-8606
190 Thorn Hill Road
Warrendale, PA 15086

Mr. Kevin Moore
Specialty Granules Inc.
(301) 733-4000
13424 Pennsylvania Avenue
Hagerstown, MD 21742

Mr. John Williams
Stallion Oilfield Services Ltd.
(412) 491-4133
4000 Town Center Blvd
Suite 260
Canonsburg, PA 15317

Mr. Richard Majos
Steel Partners
(914) 461-1272
590 Madison Avenue
New York, New York 10022

Mr. Robert Davidson, CPSEC
UGI Utilities, Inc.
(610) 796-3400
2525 N 12th Street
Suite 360
Reading, PA 19612

Mr. Paul Frank
Waste Management, Inc.
(724) 413-2691
100 Rangos Lane
Washington, PA 15301



ARM Group LLC

Engineers and Scientists

September 4, 2024

John J. Finnigan, Jr.
Interim Township Manager
Worcester Township
P.O Box 767
1721 Valley Forge Road
Worcester, Pennsylvania 19490

Re: Proposal for Professional Services -
Environmental Consulting and Engineering
ARM Proposal P24011679.00

Dear Mr. Finnigan:

Per your request, ARM Group LLC (ARM) is pleased to provide this proposal for Professional Engineering and consulting services to the Township of Worcester, Montgomery County, Pennsylvania.

As summarized in the attached Qualifications & Experience package, ARM's scientists and engineers have extensive experience conducting environmental due diligence assessments, focused soil and groundwater investigations and delineations, and contaminant remediation. Our staff are located in several offices throughout the mid-Atlantic region, and are thus knowledgeable in local, State and Federal environmental regulations, especially in southeast Pennsylvania. Our Pennsylvania geologists, engineers, and scientists have extensive experience and understanding of the various elements of site development and redevelopment projects, and how environmental regulations interact with the completion of those projects.

SCOPE OF WORK

ARM Group will provide environmental consulting services for Worcester Township, including but not limited to the following:

- * General environmental engineering and consulting services;
- * Environmental site assessment reviews (e.g., Phase I Environmental Site Assessments);
- * Soil, groundwater, and soil gas investigations;
- * Site remediation;
- * Underground storage tank removal;
- * Environmental regulatory compliance audits and permitting;
- * Industrial hygiene services including hazardous building material (e.g., asbestos-containing materials, lead-based paint, hazardous materials, etc.) surveys and testing; and
- * Regulatory agency coordination and communication.

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9560 Kings Charter Drive, Ashland, Virginia 23005

ARM will provide these services upon request by Worcester Township. The specific Scope of Work for each task will be defined upon request, along an estimated timeframe and anticipated level of effort.

COST SUMMARY

Based on the work scope described for each task, ARM will provide its services on a time and expenses basis in accordance with the attached Consulting Rate Schedule. Alternatively, if desired, we can provide lump sum project costs as appropriate.

For hourly services, invoices will be prepared on a monthly basis, with charges indicated for hours expended by ARM professional personnel, reimbursable expenses, and subcontractors.

TERMS AND CONDITIONS

All services will be provided in accordance with ARM's Standard Terms and Conditions (attached). Invoices will be prepared on a monthly basis at a minimum, based on work completed. Our terms for payment are net 30 days. Invoices aging past 30 days are subject to a late fee of 1½ percent per month.

SAFETY

It is the policy of ARM to provide and maintain a safe and healthful working environment and to follow operating practices that will safeguard personnel and result in a more efficient operation. Wherever required, ARM will fully comply with client safety requirements. ARM is committed to safety excellence and the goal of zero accidents.

During all required field activities, and in compliance with ARM's Corporate Environmental Health & Safety (EHS) Plan, a Job Safety Analysis (JSA) will be performed by ARM at the start of each field workday and as changing conditions warrant to identify and control real and potential workplace hazards. The completed JSA will be saved with the project documents and made available upon request.

PROPRIETARY NOTICE

Information contained within this document is the property of, and proprietary to ARM, and cannot be reproduced, disclosed, or used, except for evaluation purposes, without the express written consent of ARM. This proposal will remain open for 90 days.

CLOSING

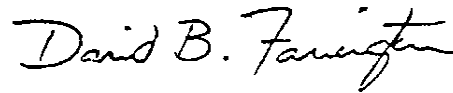
A R M G r o u p L L C



ARM appreciates the opportunity to provide you with this proposal and we look forward to the opportunity to assist with this project. If the objectives and generalized scope of services as described herein are acceptable, you may indicate your approval by signing this proposal in the indicated space below and returning a copy.

If you would like to discuss this proposal or if you have any questions, please do not hesitate to contact the undersigned at 610-692-5770 or dfarrington@armgroup.net.

Respectfully submitted,
ARM Group LLC



David B. Farrington, P.G.
Principal Geologist

Attachments:

- ARM Standard Terms and Conditions
- ARM Group LLC Rate Schedule
- ARM Group Qualifications & Experience

AGREED AND ACCEPTED BY:

Printed Name and Title of Authorized Representative

Signature

Date

The above signed represents that they have the authority to enter into this agreement on behalf of the Township of Worcester.





ARM Group LLC

Engineers and Scientists

CONSULTING RATE SCHEDULE

Effective January 1, 2024

Principal Scientist/Engineer	\$225 to \$230/hr
Director/Project Director	\$175 to \$200/hr
Senior Scientist/Engineer/Project Manager/Consultant	\$160 to \$195/hr
Senior Project Engineer/Project Scientist/Construction Manager	\$125 to \$155/hr
Project/CQA/Construction Manager	\$130 to \$155/hr
Project Scientist/Engineer II	\$125 to \$145/hr
Project Scientist/Engineer I	\$115 to \$137/hr
Staff Scientist/Engineer	\$110 to \$127/hr
Senior Designer/CAD/Project GIS Analyst	\$120 to \$134/hr
Designer I, II, and III	\$110 to \$127/hr
CAD Technician I and II	\$100 to \$113/hr
GIS Analyst I and II	\$105 to \$135/hr
Senior Surveyor/Lead Surveyor/Survey Manager	\$129 to \$143/hr
Surveyor/Survey Technician I and II/Crew Chief	\$92 to \$100/hr
GPS Base Rover Surveyor/Crew; 2-Person Survey Crew	\$130/hr; \$180/hr
Senior Field Technician/Field Lead/CQA Specialist	\$82 to \$105/hr
Field Technician I, II, and III/CQA & Environmental Specialist	\$62 to \$90/hr
Project Administrative Services	\$81 to \$127/hr

Hydrogeologists, Geophysicists, Aquatic Biologists, and Wetland Specialists are classified under the Scientist title above.

Expert witness testimony, preparation time, and other special services generally require a dedicated commitment of staff; these dedicated services will be charged at a rate of 150% of the above schedule.

Subcontract and Project Related Expenses

Copies	Black & White - \$0.12 each; Color - \$0.60 each
Full Size Plots	\$1.10/sq ft
Mileage	\$0.80/mile
ARM Truck Usage	\$78.00/day

Subcontractor services and direct project expenses are billed at cost plus 15%. ARM-owned equipment, supplies and vehicles are billed on a usage basis in accordance with the ARM Equipment and Supply Lists.

Terms for Payment

Invoices are issued monthly and are due upon receipt. Invoices aging past 30 days are subject to a late fee of 1.5% per month. Credit cards accepted; invoices paid by credit card will be assessed a 3.5% surcharge.

PRECISE. RESPONSIVE. SOLUTIONS.

Hershey, PA • State College, PA • Canonsburg, PA • Lehigh Valley, PA • Jessup, PA • West Chester, PA
Columbia, MD • Marlton, NJ • Ashland, VA

**ARM GROUP LLC
STANDARD TERMS AND CONDITIONS**

1.0 GENERAL

ARM Group LLC (ARM) agrees to perform for Client, and Client alone, the services set forth in the Proposal in accordance with generally accepted professional practices, in the same or similar localities, related to the nature of work accomplished, at the time the services are performed. ARM's services shall not be subject to any express or implied warranties whatsoever. Any references to the term services herein shall include Basic Services and authorized Additional Services as defined herein. The Proposal to which these Standard Terms and Conditions apply is valid for 30 days from the date of the Proposal. Beyond that date ARM may elect to extend the time period for providing its services as described in the Proposal as initially written; extend the Proposal with modifications; or nullify the Proposal. In the case of services provided under a single Proposal, but provided over a period of time extended beyond that contemplated in the Proposal, ARM shall be entitled to renegotiate its fee to cover any increased costs or changed conditions associated with the subject time period extension.

2.0 SCOPE OF ARM SERVICES

2.1 Basic Services.

The Basic Services shall consist of those specific services or tasks as described or enumerated in the Proposal.

2.2 Uncertainty of Subsurface Conditions; Changing Conditions Over Time.

Because subsurface conditions are inherently random, variable, and often indeterminate in nature, the professional services rendered by ARM, and opinions provided with respect to such conditions, including the presence or absence of potentially hazardous substances, being performed by ARM in accord with the Proposal (including opinions regarding potential future costs), are not guaranteed to be a representation of actual site conditions or anticipated costs (if such are provided as a service by ARM). In addition, conditions found to exist at the time of ARM's work under the subject Proposal, are subject to change with time as a result of changes that may occur to the subject property or due to the availability of new or additional information.

2.3 Reliability of Existing, Available Information.

ARM may provide Client with a written report ("Report") in connection with the services performed. The Report will present such findings and conclusions as ARM may reasonably make with the information gathered in accordance with the Proposal. In preparing the Report, ARM may review and interpret certain information provided to it by third parties, including government agencies, registries of deeds, testing laboratories and other entities. Client agrees that ARM, in its sole discretion, may rely upon such information, and Client understands that ARM will not conduct an independent evaluation of the accuracy or completeness of such information, and that ARM shall not be responsible for any errors or omissions contained in such information.

2.4 Document Use Restrictions.

Subject to the specific provisions of these Standard Terms and Conditions, and particularly Section 11.0 hereof, any report(s) other related documents including, without limitation, letters, memos, hand-written notes, design drawings, calculations, figures, tables, datasets, and spreadsheets are instruments of service which are prepared for, and made available for the sole use of the Client, and the instruments of service may not be used or relied upon by any other person without the express written consent and authorization of ARM.

3.0 ADDITIONAL SERVICES OF ARM

If mutually agreed by the Client and ARM, ARM shall perform Additional Services that are in addition to Basic Services. Additional Services are not included as part of Basic Services and will be paid by the Client at a negotiated rate. Client agrees that Additional Services, either requested by the Client or recommended by ARM, may be authorized by Client on the basis of verbal authorization provided to ARM by Client's authorized representative. Client acknowledges that authorized Additional Services are subject to these Standard Terms and Conditions, as applicable.

4.0 SERVICES EXCLUDED BY ARM

Services not expressly set forth in writing within the scope of the Proposal are excluded from the scope of ARM's services, and ARM assumes no duty to the Client to perform such services. The services to be performed by ARM shall not include an analysis or determination by ARM as to whether the Client is in compliance with federal, state, or local laws, statutes, ordinances, or regulations, except in the case where the Client specifically engages ARM via ARM's Proposal to conduct such an analysis or determination. Except where expressly stated in the Proposal, ARM's services shall not include directly or indirectly storing, arranging for or actually transporting, disposing, or treating hazardous substances, hazardous materials, hazardous wastes or petroleum products. ARM's services shall not include an independent analysis of work conducted and information provided by independent laboratories or other independent contractors retained by ARM in connection with



ARM's services provided to the Client. Also, unless specifically described or listed in the Proposal, ARM's services do not include sampling of soils, water, air, or other materials.

5.0 RESPONSIBILITIES OF THE CLIENT

5.1 Information.

The Client shall provide all information in its possession, custody, or control which relates to the project site(s), its present and prior uses, or to activities at the site which may bear upon the services of ARM as set forth in the Proposal, including, but not limited to, the following:

- (i) a legal description of the site, including boundary lines and a site plan;
- (ii) historical information as to the prior owners of the site;
- (iii) identification of the location of overhead and underground utilities: underground tanks; waste generation, storage or disposal areas; and structures; information to be provided shall also include available plans of the site;
- (iv) a description of activities which were conducted at the site at any time by the Client or by any person or entity which would relate to the services to be provided by ARM; and
- (v) identification, by name, quantity, location, and date, of any releases or handling of hazardous substances (as defined herein).

5.2 Authorized Access to the Project Site/Property.

The Client shall be fully responsible for obtaining the necessary authorizations to allow ARM, its agents, subcontractors and representatives, to have access to the project site and buildings thereon at reasonable times throughout the period of contract performance. ARM will take reasonable precautions to minimize damage to the site from use of equipment, but Client understands that unavoidable damage or alteration of the site may occur and Client agrees to assume responsibility for such unavoidable damage or alteration, including the cost of site restoration, if required.

5.3 Underground Utilities.

Client agrees to assume responsibility for personal and property damages due to ARM's inadvertent interference with or damage to subterranean structures such as pipes, tanks, and utility lines that are not correctly shown on the documents provided by Client to ARM or in the event that the locations of subterranean structures are not known by Client or not communicated to ARM by Client.

5.4 Reliance Upon Client-Furnished Services, Information or Data.

The services, information, and other data required by this Section to be furnished by the Client shall be provided at the Client's expense, and ARM may rely upon all data furnished by the Client, and the accuracy and completeness thereof.

6.0 PAYMENTS AND INVOICING

ARM will submit invoices for its services to the Client on a monthly basis, and each invoice will cover all sums payable to ARM for services generally provided to Client by ARM and its suppliers and subcontractors for the preceding month. Such invoices shall be in accordance with the scope of services presented within the Proposal and as accepted by the Client. Unit rates and prices for such services shall be invoiced in accord with specific provisions of the Proposal or as otherwise shown on ARM's currently-in-effect Consulting Rate Schedule which is ordinarily attached to each of ARM's proposals. Terms for payment are net: 30 days, and each ARM invoice will specify the due date, accordingly. In authorizing ARM to perform services, Client explicitly agrees to accept and honor these payment terms. Invoices aging past 30 days are subject to a late payment finance charge of 1.5% per month, 18% per annum (simple interest), and such finance charges shall automatically be incurred by Client and shall be due to ARM in the event that the Client fails to honor the specified payment terms. If billings become delinquent, ARM may stop all work until Client's account is brought current, or ARM may withdraw from this engagement. Client acknowledges and agrees that ARM is not required to continue work in the event of Client's failure to pay in accordance with these terms. Client further acknowledges and agrees that, in the event ARM stops work or withdraws from this engagement as a result of Client's failure to pay in accordance with these terms, ARM shall not be liable to the Client for any damages that are incurred as a result of the cessation of work and that Client remains liable for billings up to the date of cessation of services. In the event that ARM incurs costs of collection of overdue accounts, Client also agrees to bear the full collection expense incurred by ARM. Applicable collection costs or expenses shall include and not be limited to attorney fees, court and magistrate costs, postage and express mail services, fees charged by duly authorized collection agencies, and other related costs.

7.0 LIMITATION OF RESPONSIBILITY

7.1 Limitation of Liability.

CLIENT HEREBY AGREES THAT TO THE FULLEST EXTENT PERMITTED BY LAW, ARM'S TOTAL LIABILITY TO CLIENT FOR ANY AND ALL INJURIES, CLAIMS, LOSSES, EXPENSES OR DAMAGES WHATSOEVER



ARISING OUT OF OR IN ANY WAY RELATING TO THE PROJECT FROM ANY CAUSE OR CAUSES INCLUDING BUT NOT LIMITED TO ARM'S NEGLIGENCE, ERRORS, OMISSIONS, STRICT LIABILITY, BREACH OF CONTRACT, OR BREACH OF WARRANTY, SHALL NOT EXCEED THE LESSER OF THE TOTAL AMOUNT PAID BY THE CLIENT FOR THE SERVICES OF THE CONSULTANT UNDER THIS CONTRACT OR \$50,000.

- i) **Limitation of Liability for Services Provided in Karst Regions:** ARM neither states nor implies that sufficient site and/or subsurface characterization activities have been conducted to avoid all risks associated with the project including, but not limited to: sinkhole development and repair, and associated costs, delays, and other effects to the project; rock removal and associated costs, delays, and other effects to the project; and/or unknown conditions and conditions not expressly described in any work product of ARM. Client must recognize and accept the potential for sinkhole or related feature development at the subject site. The risks and associated costs for addressing sinkhole-related activity lie solely with the project owner, developer, and/or construction contractor, as applicable. ARM accepts no liability whatsoever for sinkhole-related activity and costs arising therefrom, regardless of the services conducted by ARM. ARM's investigation activities and recommendations are intended to help reduce the risk and magnitude of sinkhole-related activity in association with the subject project and any associated response costs, but no guarantee or warranty against sinkhole development and/or related issues, either express or implied, is made by ARM.
- ii) **Geophysical Services:** By their inherent capabilities and limitations, geophysical surveys are not 100-percent accurate, nor can they completely define subsurface conditions. ARM will not accept responsibility for inherent technique limitations, survey limitations, potentially foreseen or unforeseen site-specific conditions, or alleged operator error. Client, Owner, and all persons in any way using or relying on the information collected from this survey will accept all liability for the use, reliance, and actions taken based on the information collected in the survey and contained in the report, and shall hold ARM harmless for any and all damages allegedly resulting from or actually resulting from the information collected from the geophysical services/survey.

7.2 No Special or Consequential Damages.

In no event shall either Client or ARM be liable for special, indirect, or consequential damages whatsoever, including, without limitation, loss of use or loss of profits, incurred by one another or successors, regardless of whether such damages are caused by a breach of contract, willful misconduct, negligent act or omission, or other wrongful act, whether professional or unprofessional, of either of them or their employees or associates.

7.3 Indemnification.

To the fullest extent permitted by law, Client agrees to defend, indemnify, and hold ARM, its agents, subcontractors, and employees harmless from and against any and all claims, defense costs, including attorneys' fees, damages, and other liabilities arising out of or in any way related to: a) services performed by ARM for Client; b) reports, letters, recommendations, designs, illustrations and calculations prepared for Client by ARM; c) ARM's presence on the Client's property or project site(s); or, d) the presence, release, or threatened release of asbestos, hazardous substances, or pollutants on or from the Client's property or project site(s); **except that** Client shall not indemnify ARM against liability for damages to the extent caused by the negligence or misconduct of ARM, its agents, subcontractors, or employees.

7.4 Limitation on Construction-Related Testing and Inspections.

ARM will perform construction-related testing and inspections in accordance with a normal standard of care, but assumes no liability for any damages alleged to arise from ARM's failure to identify, disclose or otherwise recognize work performed by others that does not conform to the applicable construction documents or specifications.

8.0 DISPUTES RESOLUTION

All claims, disputes, and other matters in controversy between ARM and Client arising out of or in any way related to the Proposal will be submitted to "alternative dispute resolution" (ADR) such as mediation and/or arbitration, before and as a condition precedent to other remedies provided by law. If a dispute at law arises related to the services provided under the Proposal and that dispute requires litigation as provided above, then: **(a)** Client assents to personal jurisdiction in the State of ARM's principal place of business; **(b)** The claim will be brought and tried in judicial jurisdiction of the court of the county where ARM's principal place of business is located and Client waives the right to remove the action to any other county or judicial jurisdiction; and **(c)** The prevailing party will be entitled to recovery of all reasonable costs incurred, including staff time, court costs, attorneys' and expert witness fees, and other claim-related expenses.



9.0 DISCOVERY OF UNANTICIPATED POLLUTANT RISKS

If, while performing the services, pollutants are discovered that pose unanticipated risks, it is hereby agreed that the scope of services, schedule, and the estimated project cost will be reconsidered and that the Basic Services shall immediately become subject to renegotiation or termination.

In the event that the services are terminated because of the discovery of pollutants posing unanticipated risks, Client agrees that ARM shall be paid for its total charges for labor performed and reimbursable charges incurred to the date of termination of the services, including, if necessary, any additional labor or reimbursable charges incurred in demobilizing and in effecting such termination.

Client also agrees that the discovery of unanticipated hazardous substances may make it necessary for ARM to take immediate measures to protect the health and safety of ARM personnel and others, as appropriate. ARM agrees to notify Client as soon as practically possible should unanticipated hazards or hazardous substances or suspected hazards or hazardous substances be encountered. Client authorizes ARM to take measures that in ARM's sole judgment are justified to safeguard ARM's personnel and others, including the general public. Client agrees to compensate ARM for the additional cost associated with such authorized additional steps and measures, pursuant to the provisions of ARM's Consulting Rate Schedule that is then in effect.

10.0 DISPOSITION OF SAMPLES AND EQUIPMENT

10.1 Disposition of Unpolluted Samples.

No samples of unpolluted soil and rock will be kept by ARM unless agreed otherwise.

10.2 Hazardous or Potentially Hazardous Samples and Materials.

In the event that samples and/or materials contain or are suspected to contain substances or constituents that are hazardous or otherwise detrimental to health, safety, or the environment as defined by federal, state, or local statutes, regulations, or ordinances, ARM will, after completion of testing (1) return such samples and materials to Client, or (2) reach an agreement in writing to have such samples and materials properly disposed in accordance with applicable laws. Client agrees to pay all costs associated with the storage, transport, and disposal of samples and materials. Client recognizes and agrees that ARM is acting as an agent of Client and at no time assumes title to said waste.

10.3 Contaminated Equipment.

All laboratory and field equipment contaminated in performing Basic or Additional Services will be cleaned at Client's expense. Contaminated consumables will be disposed of and replaced at Client's expense. Equipment (including tools) which cannot be reasonably decontaminated shall become the property and responsibility of Client. All such equipment shall be delivered to Client or disposed of in a manner similar to that indicated for hazardous samples. Client agrees to pay the fair market value of any such equipment which cannot reasonably be decontaminated.

11.0 REPORTS, RECOMMENDATIONS, AND OWNERSHIP OF DOCUMENTS

Reports, recommendations, and other documents resulting from ARM's efforts are intended solely for purposes of the services described by the Proposal; any reuse or changes by Client or others for purposes outside of those described by the Proposal or any failure to follow ARM's recommendations, without ARM's written permission, shall be at the Client's and/or the user's sole risk. Client will furnish such reports, data, studies, plans, specifications, documents, and other information deemed necessary by ARM for proper performance of its services. ARM may rely upon Client-provided documents in performing the services described by the Proposal; however, ARM assumes no responsibility or liability for the accuracy of such documents. Client-provided documents will remain property of Client.

All reports, field notes, calculations, estimates, data, spreadsheets, designs, and other documents which ARM prepares are instruments of service, and ARM shall be deemed the author and owner of such instruments of service and shall retain all common law, statutory and other reserved rights, including copyrights. Upon Client's acceptance of ARM's Proposal, ARM grants to Client a non-exclusive license to use these instruments of service in accordance with the provisions of this Section (Section 11.0) conditioned upon Client's full payment of the applicable invoice(s) relating to such instruments of service. The Client shall not assign, delegate, sublicense, pledge or otherwise transfer any license granted herein to another party without the prior written agreement of ARM. Any termination of the services offered by ARM in its Proposal prior to completion of the authorized services, or any failure of Client to make full payment of the applicable invoice(s) relating to such services shall terminate this license. Upon such termination, the Client shall refrain from making further reproductions of ARM's instruments of service and shall return to ARM within seven days of termination all originals and reproductions of ARM's instruments of service in the Client's possession or control.

ARM will retain all pertinent records relating to services performed for a period of three (3) years following completion of the services described by the Proposal, during which period the records will be made available to Client for review or duplication, at all reasonable times, and at Client's sole expense.



ARM reserves the right to use general descriptive information pertaining to the project and to the services provided by ARM in relation thereto, including images and plans generated by ARM during the course of providing the services described under the Proposal, for business development or marketing purposes. Images or plans prepared by or provided by others will not be used for such purposes without the written permission of the applicable parties.

12.0 NON-SOLICITATION

Client agrees not to employ ARM's personnel during the term of an active engagement or for a period of twelve (12) months following termination of said engagement without the prior approval of ARM. In the event that Client hires such personnel within the above time period and without said approval, Client shall pay to ARM, a fee equal to the person's billing for a three-month period. This fee shall be determined by multiplying the person's fixed hourly billing rate times 500 hours. This payment shall constitute liquidated damages and shall be in lieu of any other remedy and damages to which ARM might otherwise be entitled in law or at equity.

13.0 TERMINATION

The services offered by the Proposal and accepted by the Client may be terminated by either party by giving seven (7) days written notice to the other party. If this Agreement is terminated, it is agreed that ARM shall be paid for total charges for labor performed to the termination notice date, plus reimbursable charges. Within five business days of receipt of all payable amounts due to ARM, ARM will provide Client with all data that ARM collected and work products that ARM completed for Client.

14.0 FORCE MAJEURE

ARM shall not be liable to the Client for delays in performing the services, nor for the direct or indirect cost resulting from such delays, that may result from labor strikes, riots, war, acts of governmental authorities, extraordinary weather conditions or other natural catastrophe, or any other cause beyond the reasonable control of ARM.

15.0 SEVERABILITY AND SURVIVAL

Any element of these terms and conditions later held to violate a law shall be deemed void, and all remaining provisions shall continue in force. However, Client and ARM will in good faith attempt to replace any invalid or unenforceable provision with one that is valid and enforceable, and which comes as close as possible to expressing the intent of the original provision. All of these terms and conditions which allocate liability between Client and ARM shall survive the completion of the services hereunder and the termination of services.

16.0 ENTIRE AGREEMENT

The terms and conditions set forth herein constitute the entire understanding and agreement of Client and ARM with respect to the Services. All previous proposals, offers, and other communications relative to the provisions of these Services are hereby superseded. Should Client utilize its purchase order or any other form to procure services, Client acknowledges and agrees that its use of such purchase order or other form is solely for administrative purposes and in no event shall ARM be bound to any term and conditions on such purchase order or other form, regardless of reference to or signature upon such purchase order or other form by ARM. Client shall reference this Agreement on any purchase order or other form it may issue to procure ARM services, but Client's failure to do so shall not operate to modify this Agreement.





September 17, 2024
Proposal No. BB-22868

Mr. Dan DeMeno
Township Manager
Township of Worcester
1721 Valley Forge Road
P.O. Box 767
Worcester, PA 19490-0767

Phone: (610) 584-1410
Email: ddemeno@worcestertwp.com

**Re: Environmental Engineering Services
Worcester Township, Montgomery County PA**

Dear Mr. DeMeno:

Earth Engineering Incorporated (EEI) appreciates the opportunity to submit the following proposal to provide Environmental Engineering Services to the Township of Worcester. EEI understands that the services being requested include Phase I/II Environmental Site Assessment Reviews, Investigations of Soil, Groundwater, and Soil Gas, Site Remediations, Underground Storage Tank (UST) Removals, Regulatory Compliance Audits, Industrial Hygiene Services such as asbestos containing materials, lead based paint, and hazardous materials surveys and testing, and General Environmental Engineering.

EEI can provide these services to the Township on a timely and cost efficient basis with the exception of the Industrial Hygiene Services which can be provided through our partner firm, West Chester Environmental, LLC with whom EEI has a long standing services agreement to perform asbestos containing materials surveys, lead based paint testing (either through non-destructive X-ray fluorescence on site, or laboratory paint chip analysis).

EEI has performed Phase I and II Environmental Site Assessments for clients for over 30 years. The clientele includes private developers, financial institutions/lenders, multinational corporations, federal defense contractors, municipal governments, and non-governmental organizations. EEI has successfully managed numerous UST removals and closures spanning residential heating oil through industrial hazardous materials storage units through the appropriate PADEP procedures. Numerous sites have been remediated through the Act 2 Land Recycling Program by EEI for both soil and groundwater contamination using the Statewide Health and Site-Specific Standards including Non-Use Aquifer Determinations for both residential and non-residential sites.

Corporate Headquarters
115 W Germantown Pike, Suite 200
East Norriton, PA 19401
(610) 277-0880 FAX 277-0878
eei@earthengineering.com

Southern New Jersey
(856) 768-1001 FAX 768-1144
www.earthengineering.com

Central Pennsylvania
(717) 697-5701 FAX 697-5702

Lehigh Valley
(610) 967-4540 FAX 967-4488

EEI's environmental staff are proficient in application of:

- ASTM E1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process
- 40 CFR Part 312 Innocent Landowners, Standards for Conducting All Appropriate Inquiries
- Practices for All Appropriate Inquiries, ASTM E1903-19 Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process
- ASTM E1528-22 Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process
- ASTM E2600-22 Standard Guide for Vapor Encroachment Screening on property Involved in Real Estate Transactions
- PADEP Act 2 Land Recycling Program
- 40 CFR Chapter I Part 261 Hazardous Waste Identification and Listing of Hazardous Waste
- PADEP Management of Fill Policy, Document No. 258-2812-773
- PADEP Use of Reclamation Fill at Active Noncoal Sites, Document No. 563-2000-301

EEI has contract agreements with National Environmental Laboratory Accreditation Program laboratories performing analysis of soil, groundwater, drinking water, vapors and materials testing.

Phase I/II Environmental Site Assessment Reviews

EEI will provide a qualified and experienced Environmental Professional, as defined by ASTM E1527 and 40 CFR part 312 to review Phase I and II ESAs submitted to the township. The Environmental Professional will provide a review of the documents for completeness of all required tasks according to the applicable standard(s), as well as a technical review of the findings of the submitted reports. EEI will provide a summary report documenting deficiencies or deviations from the standard(s), as well as a professional opinion of the findings and conclusions based on the information and data contained in the report(s).

Investigations of Soil, Groundwater, and Soil Gas

EEI will provide qualified and experience environmental scientists and professionals to oversee and perform field investigations of Soil, Groundwater, and/or Soil Gas as required. EEI will ensure that the PA One-Call is made prior to any earth disturbance and can provide private utility location services as required to safely perform the investigations which involve earth disturbance. All samples will be collected and handled according to the EPA Sampling technical guidance procedures by personnel trained in the procedures and who maintain the OSHA 1910.120 Hazardous Waste Operations and Emergency Response 40 hour certification.

All samples will be individually labelled and packaged in the field with chain-of-custody maintained throughout collection through final analysis.

EEI will provide reports of the investigation which will include, property location and background information, scope of work conducted in the investigation, field observations and measurements, sample location(s), results of laboratory analysis, applicable comparison limits for



the media sampled, and conclusions regarding the conditions encountered prepared by a qualified Environmental Scientist/Engineer including any further investigation or remedial efforts recommended for the site.

Site Remediations

EEI will assist the township in completing site remediations of properties with PADEP and/or EPA as required. Information obtained through site investigations conducted prior to remedial efforts will be reviewed and summarized to establish a remedial work plan for the most efficient remedial method for a given property based on the intended final outcome desired (i.e. residential/non-residential uses, engineering controls verses source removal methods, etc.)

EEI will oversee or provide additional remedial services based on the remedial work plan devised for a given site. This may include soil borings/test pit excavations and sampling, installation and sampling of groundwater monitoring wells, waste controls and disposal of investigative derived wastes, excavation and characterization of contaminant source(s) for offsite disposal, design of engineering controls to limit exposure and migration of contaminant sources, use of bio-remedial technologies to reduce contaminant concentrations, etc.

EEI will review or prepare submittals to the appropriate regulatory body to document remedial efforts and completion which may include the preparation of fate and transport analyses, contaminant degradation analyses, and a demonstration of attainment of a selected remedial standard using spatial and/or statistical analyses.

Underground/Aboveground Storage Tank Removals

EEI will contract with tank handlers licensed by PADEP as required, and oversee the removal of storage tanks according to PA Title 25 Chapter 245 Administration of the Storage Tank and Spill Prevention Program, or Act 2 Land Recycling Program in the case of unregulated storage tanks. EEI will ensure that any releases observed during the removal are reported to PADEP as required by the PADEP Storage Tank Program's Corrective Action Process. This includes the notification of the regional office by telephone within 24 hours of confirmation of a release, and in writing within 15 days.

EEI will oversee or collect post excavation samples after removal of storage tanks according to the guidance based on the size, contents, and conditions of the excavation (i.e. groundwater or bedrock encountered in the excavation).

EEI will prepare a tank closure report, either the PADEP Storage Tank Closure form in the case of regulated storage tanks, or a written report providing the field observations, measurements, disposal/recycling records, post excavation sampling results, and professional opinion and conclusion regarding the site conditions after closure, including any additional investigation or remediation required to meet the appropriate PADEP guidance.

Regulatory Compliance Audits

EEI will provide a qualified Environmental Scientist to audit properties and/or facilities for compliance with regulatory requirements or permits as required. EEI will use the appropriate regulation or permit to establish an inspection scope of work for a site and will perform the environmental inspections to confirm that the requirements are being maintained. EEI will prepare



an audit report upon completion of the inspections which will document the scope of inspection and compliance or deficiencies observed during the inspections.

Industrial Hygiene Services

EEI does not perform these services directly but has a service agreement with West Chester Environmental, LLC who are qualified to conduct Asbestos Containing Materials Surveys, Lead Based Paint Testing, and Hazardous Materials Surveys of facilities. All surveys and testing are conducted by certified and/or licensed professionals with years of experience performing these services.

General Environmental Engineering Services

EEI will provide an experienced Environmental/Engineering Professional as required to assist or perform tasks as needed including design or specification of mitigation systems, review permit application(s), create environmental work plans, waste management plans, and standard operating procedures.

Limitations

EEI assumes no responsibility for the presence of any environmentally hazardous conditions, contaminated soil and/or groundwater, or additional materials that may be present on any site and/or adjacent sites either detected or undetected.



UNIT COST ESTIMATE

Report Review

Environmental Professional	\$ 95.00 /hour
Senior Environmental Professional	\$ 130.00 /hour

Investigation - Soil, Groundwater, & Soil Gas & Remediations

Environmental Professional	\$ 95.00 /hour
Senior Environmental Professional	\$ 130.00 /hour
Direct Push Drilling (Portable)	\$ 1,400.00 /day
Direct Push Drilling (Truck)	\$ 1,950.00 /day
Truck Mounted Auger Drilling (mob)	\$ 750.00 /event
Truck Mounted Auger Drilling	\$ 2,500.00 /day
Monitoring Well Installation ¹	\$ 40.00 /foot
Well Cap Construction ²	\$ 250.00 /well
Soil/Groundwater Analysis "Full List"	\$ 775.00 /sample
Soil Vapor Analysis	\$ 450.00 /sample
Report Preparation	\$ 95.00 /hour
Submittal/Notification Fees	Cost + 10%

Storage Tank Removal

Environmental Professional	\$ 95.00 /hour
Senior Environmental Professional	\$ 130.00 /hour
Tank Evacuation ³	\$ 375.00 /hour
Mobilization- Licensed Handler Crew	\$ 750.00 /event
Closure Crew/Labor	\$ 4,300.00 /day
Disposal of wastes/contents	Varies by Content
Clean Aggregate Backfill	\$ 40.00 /ton
Report Preparation	\$ 95.00 /hour
Waste Characterization Analysis	Varies by Content

¹ monitoring well installation includes 2" PVC casing/screen, sandpack, seal and grouting annulus.

² Well Cap Construction includes protective stickup outer casing or flushmount manhole.

³ Tank Evacuation includes the pumpout of any contents prior to cleaning and removal of tank.

A budgetary estimate of the fees incurred for reviewing of Phase I/II reports can be anticipated to require five hours by an Environmental Professional for the review, with two hours of Senior Environmental Professional evaluation, for an estimated total of \$685.00 for an unexceptional Phase I or II ESA.

The costs provided for Investigations, Remediations, Tank Removals are based on required subcontractor prices at current rates. Variables such as fuel surcharges etc. may be required depending on the rates at the time of service. EEI will prepare detailed costs for specific tasks upon determination of the required scope of work.



If requested, the time required for supplemental reports, evaluations, review/preparation of specifications, or meetings will be billed at the following hourly rates.

ADDITIONAL SERVICES PROVIDED ONLY AT THE REQUEST OF THE CLIENT

Principal Professional Engineer	\$	250.00/hr.
Senior Professional Engineer	\$	225.00/hr.
Professional Engineer	\$	175.00/hr.
Engineer II	\$	95.00/hr.
Engineer I	\$	90.00/hr.
Professional Geologist	\$	175.00/hr.
Senior Environmental Scientist	\$	130.00/hr.
Environmental Scientist	\$	95.00/hr.
Geotechnical Designer	\$	90.00/hr.
Licensed Site Remediation Professional (LSRP)	\$	185.00/hr.
Administration	\$	68.00/hr.
Mileage	\$	0.70/mi.

This proposal is based on an agreement to payment upon receipt of the Earth Engineering Incorporated invoice. EEI will be due interest of 1.5 percent per month for all unpaid balances beyond 30 days of the invoice date.

Earth Engineering Incorporated appreciates the opportunity to prepare and submit this proposal. If you have any questions regarding this project, please call our office.

Sincerely,
EARTH ENGINEERING INCORPORATED



David Van Keuren
Environmental Manager

Please indicate acceptance of the foregoing terms and conditions by affixing your signature in the space provided and returning the original to our office.

ACCEPTED BY: _____
(Sign Name Here)

(Print Name & Title Here)

DATE: _____



Accounts Payable Information *(if different than addressee):*

Purchase Order Number *(if applicable)*: _____

Remit Invoices to: _____

Address: _____

Phone Number: _____

Email: _____

Please check the preferred:

Mail Invoice

Email Invoice



**STATEMENT OF QUALIFICATIONS
Environmental Consulting Services**

Earth Engineering Incorporated (EEI) is a full service geotechnical & environmental engineering consulting firm composed of a proven staff of qualified engineers and geologists experienced in meeting the needs of our clients on a timely, results-oriented, and cost-effective basis. Our highly trained staff assists our clients in identifying problems, accurately defining the extent of contamination, and designing and implementing remediation solutions. We provide regulatory compliance with local, state, and federal authorities. We specialize in the assessment and development of Brownfield properties. EEI's OSHA-trained staff strives to maximize cost-effectiveness and satisfy regulatory requirements. This approach has enabled EEI to contribute to the successful development of many large-scale projects.



Earth Engineering provides our clients with quality environmental and geotechnical engineering services available in the industry today. We pride ourselves in providing our services on-time and on-budget as demanded by today's projects.

ENVIRONMENTAL SERVICES

PHASE I/PHASE II SITE ASSESSMENTS

EEI has over 30 years of experience conducting Phase I and Phase II environmental site assessments on commercial, government, and institutional facilities. All Phase I assessments are carried out in compliance with ASTM E-1527 "Standard Practice for Environmental Phase I Site Assessments and the EPA All Appropriate Inquiries; Final Rule@ (40 CFR Part 312) requirements. On the sites where areas of concern are present, EEI's environmental engineering staff is available to develop and implement the *appropriate* scope of work for a Phase II site assessment. Following completion of a Phase II site assessment, Earth Engineering is available to prepare remedial action work plans and develop project specifications for the clean up of contaminated areas. The ability of Earth Engineering to offer comprehensive environmental engineering services, from identification of contaminants through final clean up, allows the client to maintain continuity throughout the project. Completion of projects in this fashion allows for an expedited and economical means for remediation of contaminated properties.

REMEDIAL INVESTIGATIONS

Our staff has completed numerous investigations of contaminated properties. The scope of work for such studies has included the evaluation and laboratory analysis of subsurface soils and groundwater, modeling of contaminant plumes, installation and sampling of groundwater monitoring wells, and development of remedial alternatives. An important facet of the environmental engineering services offered by EEI includes coordination and compliance with state and federal officials. EEI is experienced in the submission of documents and data to regulatory authorities which is imperative during completion of any environmentally related project.

EEI has a staff of fully trained personnel who meet the requirements for working with hazardous substances as mandated by OSHA through *29 CFR 1910.120*. In addition, a full line of field instrumentation is available for use on sites in evaluating hazardous associated with a project.

SITE REMEDIATIONS

Our staff has completed site remediation projects for properties from residential heating oil tank releases, through industrial complexes. These types of remediation include groundwater, soils, vapor intrusion into buildings, as well as protecting surface waters from impact of adjacent remediation projects. EEI will assist you through each step in the process from preparing required legal notifications, through the completion of a Final Report. EEI has expertise in creating a comprehensive characterization plan, essential to the successful completion of Site Remediation. The results of characterization are then analyzed by our professional staff to determine the feasible remedial options. EEI will present the options to our clients and discuss the merits and potential drawbacks of each, to allow an informed decision to be made by the client. EEI has maintained good working relationships with the NJ and PA DEP remediation personnel, which has aided us in the successful completion of projects.



UNDERGROUND STORAGE TANKS

The removal of underground storage tanks (UST) containing hazardous materials has become mandatory in many cases through legislation. Completion of storage tank removals is often a costly and cumbersome problem if not managed effectively. EEI has provided engineering services for private, commercial and government entities during removal of many underground storage tanks. EEI is familiar with the current state and federal statutes regulating UST's and is able to provide comprehensive, cost effective, and efficient service for complying with the myriad of regulations. Earth Engineering's experienced environmental staff is available to provide the following services during removal of underground storage tanks, preparation of project specifications, contractor evaluation and selection, on site coordination, post-excavation soil sampling and analysis, and preparation of required reports and analyses.





**EARTH
ENGINEERING
INCORPORATED**
Geotechnical Engineers & Geologists

QUALITY
ENGINEERING

SERVICE

EXPERIENCE

COMMITMENT

ON-TIME ON-BUDGET PERFORMANCE

A BRIEF CORPORATE BIOGRAPHY

Earth Engineering Incorporated (EEI) is a full-service geotechnical / geoenvironmental engineering consulting firm composed of a group of engineers and geologists dedicated to providing the swift, cost-effective, professional service needed to meet the demands of any project.

EEI has specific expertise in geotechnical investigation, geotechnical design, inspection & testing services and environmental consulting. We provide in-house services and mobilize subcontractors when needed. Our staff maintains a significant monitoring and inspection presence in the construction phases of projects in our service region.

Our commitment to the principles of aggressive *on-time, on-budget, quality* consulting & investigative work has distinguished us from the competition.

Established in Blue Bell, Pennsylvania, EEI began providing client-oriented service in southeastern Pennsylvania, Berks, Lehigh, and Schuylkill counties and parts of New Jersey in 1990. We are currently in our 18th year of existence with 100 employees and licensed in Pennsylvania, New Jersey, Delaware, Maryland, Virginia, Ohio, Florida, New York and California.

Responding to the needs of our clients, EEI opened a satellite office in Turnersville, New Jersey in 1991 which soon grew to a full-service branch office and expanded its facilities to nearby Cherry Hill. EEI's expanded South Jersey division, relocated to West Berlin in the fall of 2005, now provides our full range of services from Philadelphia to Atlantic City.

EEI expanded westward to meet the needs of clients in the Harrisburg area with the opening of another full-service branch office. Our Central Pennsylvania branch was established in Mechanicsburg in 1995 to serve Cumberland, York, Dauphin, Franklin, and neighboring counties.

By 2003, after 13 years in the same location, EEI had outgrown its facilities in Blue Bell. Thus, we established our *Corporate Headquarters* located in East Norriton, Pennsylvania.

More recently, in March of 2005, EEI's continued growth and commitment to our clients has enabled us to expand our offices. Thus, we are pleased and excited to announce the establishment of our new office located in the Lehigh Valley.

The pursuit of excellence and a continued commitment to our fundamental principles have proven essential to the success and growth of Earth Engineering Incorporated.



Quality Engineering

Commitment to Service

On-Time On-Budget Performance



President's Message



At EEI, our goal is to combine quality consulting and investigative work with *on-time, on-budget* performance.

We are committed to providing our clients with the higher level of service and experience they've come to know us for.

Our continuing dedication to these principles is what distinguishes EEI from the competition.

We welcome the opportunity to discuss how our services can benefit your next project.

EEI offers a wide variety of Geotechnical & Geoenvironmental Services including:

- Geotechnical Engineering
- Subsurface Investigations
- GeoEnvironmental Engineering
- Retaining Wall Design and Analysis
- Laboratory Soils Testing
- Construction Consulting & Monitoring



CORPORATE PROFILE



QUALITY ENGINEERING

EEI's team of engineers and geologists establishes a reliable picture of subsurface conditions and evaluates different foundation options. We combine cost-efficiency and a well-engineered foundation system with an emphasis on quality.

SERVICE

We understand today's market and the need for results. We work closely with our drilling specialists to tailor equipment and expertise to your project.

COMMITMENT

All engineering, CAD, and professional report preparation are conducted in-house by the EEI team of professionals, enabling us to meet your project's schedule.

PERFORMANCE

Maintaining open lines of communication during all phases of our projects is the key to our ability to consistently meet our clients' need for on-time, on-budget completion.



At EEI, Geotechnical Engineering isn't something we *also* do.

It's *what* we do!

GEOTECHNICAL ENGINEERING & INVESTIGATIONS



SERVICE

EEI is a full service GeoEnvironmental firm.

Our highly trained staff assists our clients in identifying problems, accurately defining the extent of contamination, and designing and implementing remediation solutions.

We provide full regulatory compliance with local, state, and federal authorities. We specialize in the assessment and development of Brownfield properties.

EEI's OSHA-trained staff strives to maximize cost-effectiveness and satisfy regulatory requirements.

EXPERIENCE

We regularly conduct

- Phase I and II Site Assessments
- Clean Fill Testing & Certification
- PADEP ACT 2
- NJDEP Site Remediation
- UST Assessments and Closures
- Environmental Risk Assessments
- Monitoring Wells
- Soil and Groundwater Sampling & Analysis
- Site Characterizations



**DON'T LET AN ENVIRONMENTAL ISSUE
BECOME A PROBLEM.**

EEI's Professional Staff is experienced in providing a wide range of Environmental Consulting Services and Solutions.

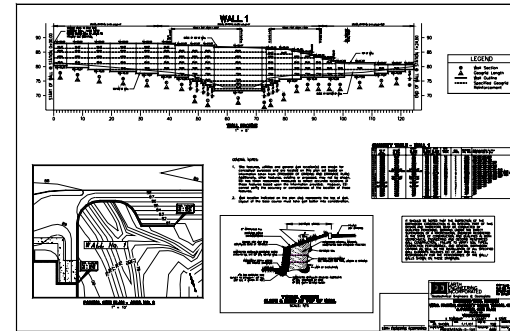
GEOENVIRONMENTAL ENGINEERING



SERVICE

EEI specializes in the field of Geogrid Reinforced Segmental Block Retaining Wall design and evaluation.

Put our expertise to work for your cost effective quality retaining wall.



EXPERIENCE

EEI is dedicated to providing our clients with the highest quality Design and Analysis for Reinforced Segmental Retaining Walls.

Our services are provided in-house under the supervision of our qualified Professional Engineering staff registered in the state of construction.

Our services include:

- Wall Design and Computer-Aided Analysis
- Full-Size Plan and Specification Preparation
- Reinforced Slope Design and Analysis
- Global Stability Analysis of Wall and Slope
- Wall Construction, Monitoring, and Documentation

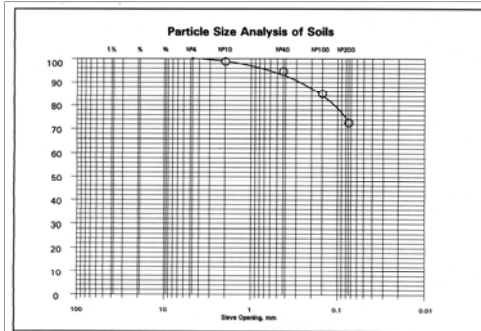


SEGMENTAL WALL CONSTRUCTION MONITORING

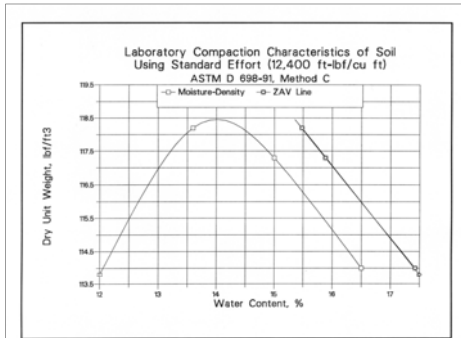
EEI specializes in the verification of on-site construction of all facets of reinforced segmental walls.

Our Design and Construction Monitoring divisions work in unison to provide full-coverage service on Segmental Retaining Walls from the design phase to completion.

RETAINING WALL DESIGN & ANALYSIS



As-Rec'd Moisture: 14.6% (moist)		Particle Size	
Classification: ML, Silt with sand		US Standard Sieve Size	Diameter, mm
% Gravel: 0.0	Coarse 0.0 Fine 0.0	1 1/2"	38.0
% Sand: 27.8	Coarse 1.3 Medium 4.4 Fine 22.1	3/4"	19.0
Gravel-Size Description: N/A		3/8"	9.5
Sand Description: Subangular, brown with gray and white		N# 4	4.75
Consistency: Firm Dry Strength: Medium		Coarse	N# 10
Distastancy: None Toughness: Low		Medium	N# 40
Structure: Homogeneous		Hydrometer Analysis	Clay Size
			0.0005
			Colloids
			0.0001
		D ₁₀	D ₃₀
		LL: 20	PL: 17
ASTM Classification: A-4		PI: 3	
Project: Shopping Center Development		Description: Brown silt with sand	
Client: Build-Tech Unlimited		Remarks:	
EEI Project # 45434			
Sample: TP-56		CLASSIFICATION OF SOILS, ASTM D 2487-92/2488	
Depth: 12"		January 31, 2001	



Project: Shopping Center Development	January 19, 2001
EEI Project Number: 45434	
Client: Build-Tech	
ASTM Specification: D 698 - 91, Compaction Characteristics of Soil Using Standard Effort	
Sample: S-1	
Soil Description: Brown sandy silty clay with rock fragments	
Maximum Dry Density: 118.5 pcf	
Optimum Moisture Content: 14.0%	
As-Received Moisture Content: 19.9%	

EFFICIENCY

EEI maintains an in-house, well equipped laboratory facility geared toward analyzing the physical properties of soil materials for engineering purposes.

As always, we keep the lines of communication open and direct.

FULL SERVICE

We provide a full range of laboratory soils testing performed in-house by our experienced staff, including:

Direct Shear

Permeability

Consolidation

Unconfined Strength of Soil

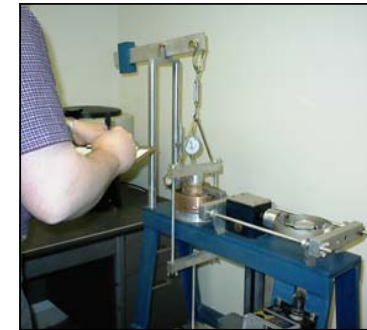
Moisture-Density Relations

California Bearing Ratio

Hydrometer Analysis

pH of Soil

Organic Content



Unconfined Strength of Rock

USCS Soil Classification

USDA Soil Classification

Particle-Size Analysis

Liquid Limit & Plasticity Index

Moisture Equivalent



All data analysis and report generation is performed with the aid of commercial and in-house software under the care of our Laboratory Director

The Quality and Presentation of Our Testing Data is Second to None



SERVICE

We combine experience, state-of-the-art equipment, qualified personnel and a service-oriented philosophy to bring our clients the swift, thorough inspection and documentation required in today's construction market.

OUR MONITORING SERVICES

INCLUDE

- Compaction control
- Footing inspection
- Foundation Consulting
- Segmental Wall Installation
- Concrete & Reinforcing Steel
- Asphalt Density
- Masonry Testing

EEI Also Offers Associated Services Including:

- Structural Steel Inspection
- Concrete Floor Flatness Testing
- Roofing Inspections
- Fireproofing Inspections



TRAINING

EEI rigorously trains all field personnel in quality control, construction methods, and safety practices.

Our goal is to provide your project with an individual who can contribute to the success of your field operations.



VERSATILITY

We provide consulting and inspection for all facets of earthwork and foundation construction, offering not only inspection, but a consultant who can offer valuable advice when the need arises.

PUT THE QUALITY CONTROL OF YOUR PROJECT IN THE HANDS OF PROVEN PROFESSIONALS

CLEAN FILL TESTING

EEI assesses Clean Fill according to the Pennsylvania Department of Environmental Protection, Management of Fill Policy. We help our clients select the option which is most cost effective for **each specific site**.

Calling us as soon as you know you are going to move fill can save thousands over waiting until the last minute!

It is always easier and safer to move clean material than an unknown.

LET US HELP YOU FROM THE BEGINNING.





Our Services Include:

- Wall Design and Computer-Aided Analysis
- Reinforced Slope Design and Analysis
- Global Stability Analysis of Walls and Slopes
- Wall Construction Monitoring and Documentation

Our Engineering Plans Typically Include:

- Full Wall Plan and Profile
- Typical Cross Sections
- Complete Quantity Table
- Construction Specifications
- Block System Details
- Reinforced Concrete Details

Earth Engineering Incorporated specializes in the design of geogrid reinforced Segmental Retaining Walls, reinforced concrete walls, mechanically stabilized earth retention systems, soldier pile walls, gabion walls, and temporary shoring.

Earth Engineering Incorporated is dedicated to providing our clients with the highest quality retaining wall design and analysis for their projects.



Our design drawing preparation services can provide you with a complete retaining wall design ready for construction or submittal to municipalities for approval. All of our services are provided in-house under the supervision of our professionally registered engineering staff.

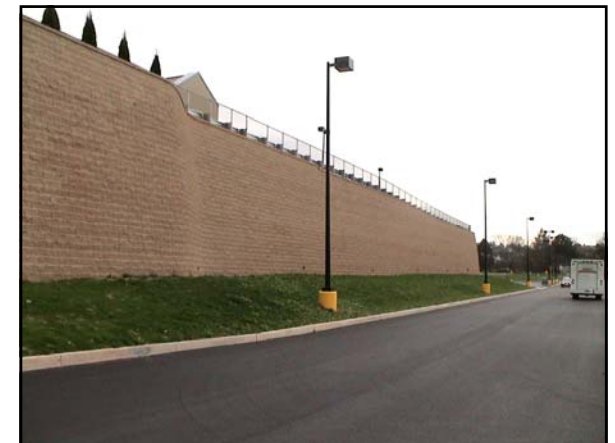
Earth Engineering Incorporated is frequently called upon to provide geotechnical investigations and design services for highly complex earth retention systems.



Our Design and Construction Monitoring Divisions work in unison to provide full-coverage service on retaining walls from the design phase to completion.

Our experienced construction monitoring division provides complete field testing and documentation during construction fully supported by our design professionals.

At Earth Engineering Incorporated, we welcome the opportunity to discuss how our services can benefit your retaining wall projects.



STORMWATER INFILTRATION TESTING

EEI provides Infiltration Testing to satisfy the NPDES Stormwater requirements. We have the capabilities of performing Double Ring Infiltrometer Testing and Percolation Testing in accordance with the PADEP Stormwater Best Management Practices Manual, Appendix C as well as Falling Head Hydraulic Conductivity Testing.

Percolation Testing



Double Ring Infiltrometer Testing

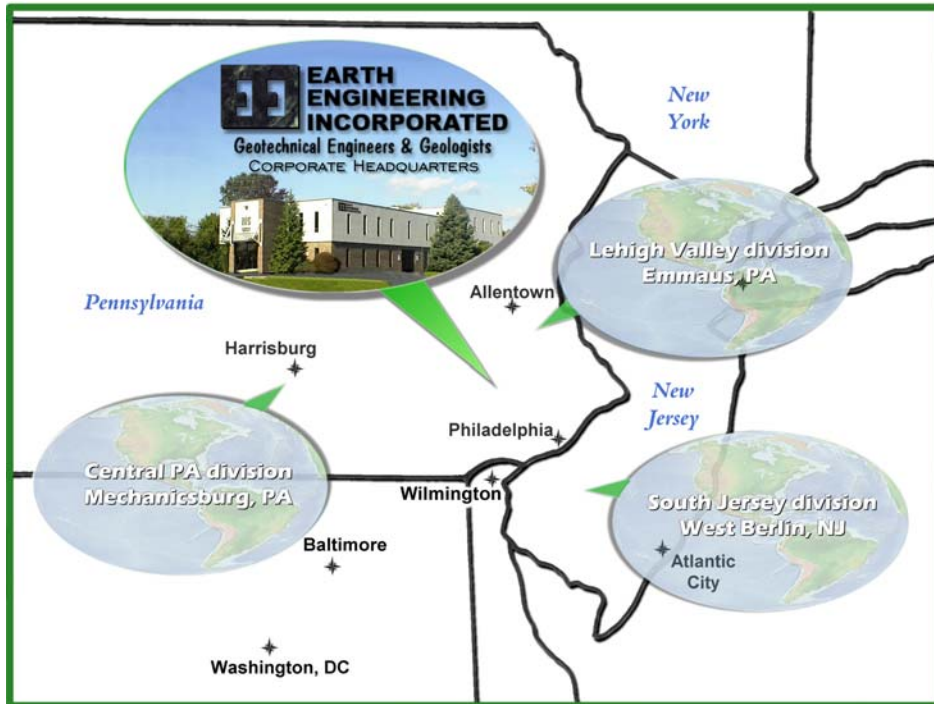


Deep Hole Percolation Testing



Double Ring Infiltrometer Testing





Visit www.earthengineering.com
and click "Contact EEI"
for full contact information

EARTH ENGINEERING INCORPORATED

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Lehigh Valley Division

**149 Main Street
Emmaus, PA 18049**

**610-967-4540
FAX 967-4488**

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CONTACT EARTH ENGINEERING

**TOWNSHIP OF WORCESTER
MONTGOMERY COUNTY, PENNSYLVANIA**

ORDINANCE 2024-_____

**AN ORDINANCE AMENDING THE TOWNSHIP CODE TO PROVIDE PARKING
RESTRICTIONS ON CHURCH ROAD**

WHEREAS, from time to time, corrections and other revisions are required to be made to Township Code of Worcester Township;

WHEREAS, upon receipt of an engineering and traffic study indicating that the parking of vehicles on certain portions of Church Road impedes sight distance and would constitute a safety hazard;

WHEREAS, pursuant to the authority granted under the Second Class Township Code, as amended, and the Vehicle Code, 75 Pa. C.S.A 3353(d), the Board of Supervisors of Worcester Township has determined that it is in the best interests of the Township to amend the Township Code as set forth herein below.

NOW, THEREFORE, the Board of Supervisors of Worcester Township, Montgomery County, Pennsylvania, hereby ordains and enacts as follows:

SECTION I

1. Chapter 145, §145-2.A, No-parking zones established, is hereby amended to add the following location for a “no-parking zone”:

Street:	Location:
Church Road	Western side of road from the north of Wheatsheaf Lane to the boundary of Lower Providence Township

SECTION II

1. In the event that any section, subsection or portion of this Ordinance shall be declared by any competent court to be invalid for any reason, such decision shall not be deemed to affect the validity of any other section, subsection or portion of this Ordinance. The invalidity of section, clause, sentence, or provision of this Ordinance shall not affect the validity of any other part of this Ordinance, which can be given effect without such invalid part or parts. It is hereby declared to be the intention of the Township that this Ordinance would have been adopted had such invalid section, clause, sentence, or provision not been included therein.
2. To the extent this Ordinance is inconsistent with the Code of Worcester Township, the provisions of this Ordinance shall take precedence. All Ordinances or parts of Ordinances in conflict herewith are hereby repealed.
3. The failure of the Township to enforce any provision of this Ordinance shall not constitute a waiver by the Township of its rights of future enforcement hereunder.

4. This Ordinance shall become effective immediately upon enactment.

ENACTED AND ORDAINED by the Supervisors of the Township of Worcester, Montgomery County, Pennsylvania on this _____ day of _____, 2024.

FOR WORCESTER TOWNSHIP

By: _____

Richard DeLello, Chair
Board of Supervisors

Attest: _____

Dan DeMeno, Secretary