INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • Fax (317) 233-6647 • www.idem.IN.gov

Mike Braun
Governor

Clint Woods
Commissioner

July 30, 2026

VIA ELECTRONIC MAIL: Joseph.Standen@Wawa.com

Mr. Joseph Standen, Sr. Env. Mgr.
Wawa Midwest, LLC
260 W. Baltimore Pike
Media, PA 19063

Dear Mr. Standen:

Re: IDEM Notice of Coverage # ING420062
NPDES Temporary Discharge Permit
Wawa, Inc. #7430
525 E. State St.
Pendleton, IN
Madison County

Our office received the Notice of Intent (NOI) packet for the above-noted project which was submitted by Mr. Austin Cooney of APTIM Environmental & Infrastructure, LLC on your behalf. We are pleased to inform you that the NOI is sufficient to comply with the requirements of the NPDES General Permit ING420000 for temporary discharges of wastewater, and that your facility will be covered by this general permit. This coverage includes dewatering of a construction site to facilitate installation of underground storage tanks (USTs), product piping, fuel dispenser sumps, canopy footers, and non-UST system construction items.

You are required to follow all terms and conditions of ING420000 and this approval letter. This coverage shall become **effective on August 1, 2026**. This is a one-time discharge authorization, which cannot be renewed. This coverage may be modified during its term; however, the term may not be extended beyond 364 days from the original effective date of coverage. The **expiration date** for this general permit coverage is **July 30, 2027.**

The NPDES general permit coverage number assigned to this facility is ING420062. This identification number should be included in all correspondence submitted to IDEM in relation to NPDES general permit coverage for this site. Approval of coverage includes all outfalls listed in Attachment 1 to this letter, and the effluent limitations and monitoring requirements are set forth in Attachment 2. Please also be advised that this approval of general permit coverage does not preclude you from needing to obtain any applicable approval from other state and local governmental agencies.

The NPDES general permit and fact sheet for ING420000 are posted on IDEM's website at https://www.in.gov/idem/cleanwater/wastewater-permitting/general-permits/. You may also contact the permit manager listed below to request a copy be sent to you. You are responsible for following the general permit requirements contained therein.

One condition of your permit requires periodic reporting of several effluent parameters. All NPDES permit holders are required to submit their monitoring data to IDEM using NetDMR. For more information on NetDMR, please see IDEM's website at https://www.in.gov/idem/cleanwater/resources/netdmr/. You are required to submit both federal discharge monitoring reports (DMRs) and state Monthly Monitoring Reports (MMRs) on a routine basis. The MMR form (State Form 30530) may be found on IDEM's web site at https://www.in.gov/idem/forms/. Once you are on this page, just insert "30530" in the search box. We recommend using the "XLS" version because it will complete all of the calculations when you enter the data.

IDEM shall serve notice of its decision to accept your facility for coverage under the general permit in accordance with the requirements of 327 IAC 5-3-14. It should also be noted that any appeal must be filed under procedures outlined in IC 13-15-6, IC 4-21.5, and the enclosed Public Notice. The appeal must be initiated by filing a petition for administrative review with the Office of Administrative Law Proceedings (OALP) within fifteen (15) days of the emailing of an electronic copy of this letter or within eighteen (18) days of the mailing of this letter. A copy must also be served upon IDEM. Addresses are as follows:

Director
Office of Administrative Law Proceedings
Indiana Government Center North
100 N. Senate Ave.
Suite N802
Indianapolis, IN 46204

Commissioner
Indiana Department of Environmental Management
Indiana Government Center North
100 N. Senate Ave.
Room 1301
Indianapolis, IN 46204

The OALP will provide parties who request review of this acceptance for coverage with notice of prehearing conferences, preliminary hearings, hearing, and stays or orders disposing of all proceedings. Nonparties may receive such notices without intervening and formally becoming parties in the proceeding by requesting copies of such notices from the OALP.

Please note that when discharge activity has ceased, you are required to submit a signed, dated letter on company letterhead to us requesting termination of NPDES general coverage. Until the NPDES general permit coverage is terminated, you will continue to be responsible for the submittal of the monthly monitoring reports. Please also be advised that projects that are active on December 31 of each year may be subject to annual operating fees.

If you have any questions regarding this matter, please feel free to contact Ms. Anne Burget of my staff at (317) 234-8745 or you may contact either of us via email at owqwwper@idem.IN.gov.

Sincerely,

Catherine Hess

Catherine Hess, Chief
Permits Administration Section
Office of Water Quality

Attachments
cc: Mr. Austin Cooney, APTIM Environmental & Infrastructure, LLC
(Austin.Cooney@aptim.com)
Mr. Jim Cook, Town of Pendleton MS4 Coordinator
(jcook@town.pendleton.in.us)

ATTACHMENT 1

WAWA. INC. #7430 - PENDLETON

NPDES GENERAL PERMIT COVERAGE **# ING420062**

EFFECTIVE DATE : **AUGUST 1, 2026**

AUTHORIZED OUTFALLS

The following outfall is authorized for coverage under this general permit approval:

OUTFALL	LATITUDE	LONGITUDE	RECEIVING WATER
001	39^{O} 59' 57.1"	-85^{O} 44' 14.7"	TOWN OF PENDLETON STORM SEWER SYSTEM TO FALL CREEK

Attachment 2 - Discharge Limitations

Table 1 [2]

	Quantity or Loading			Quality or Concentration			Monitoring Requirements	
Parameter	Monthly average	Daily maximum	Units	Monthly average	Daily maximum	Units	Measurement frequency	Sample type
Flow [1]	Report	Report	MGD	----	----	----	Daily	Instantaneous
Total Flow [1]	----	Report	Mgal	----	----	----	1 x Monthly	Cumulative monthly total
Oil and Grease	-----	-----	-----	10	15	mg/l	Weekly	Grab
Total Suspended Solids (TSS)	-----	-----	-----	30	45	mg/l	Weekly	Grab
Vinyl Chloride	-----	-----	-----		2	µg/l	Weekly	Grab
Cis-1,2-dichloro-ethylene	-----	-----	-----		70	µg/l	Weekly	Grab
Trichloro-ethylene	-----	-----	-----		5	µg/l	Weekly	Grab

Table 2

	Quality or Concentration			Monitoring Requirements	
Parameter	Daily minimum	Daily maximum	Units	Measurement frequency	Sample type
pH [2]	6.0	9.0	s.u.	Weekly	Grab

[1] Monitoring and reporting of effluent flow is required. Flow volume may be estimated, however a reliable means of determining daily flow values must be used.

[2] Samples and measurements taken shall be representative of the volume and nature of the monitored discharge. Samples taken in compliance with the monitoring requirements shall be taken at a point representative of the discharge but prior to entry into waters of the state. Test methods shall be selected that will provide adequately sensitive data results.

STATE OF INDIANA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

PUBLIC NOTICE NO. 20260730-ING420062–GP

DATE OF NOTICE: JULY 30, 2026

The Office of Water Quality approves the following NPDES GENERAL PERMIT coverage**:**

NEW NPDES GENERAL PERMIT COVERAGE UNDER ING420000

WAWA STATION #7430, NPDES General Permit Coverage No. ING420062. The site is located at 525 E. State St., Pendleton, IN (MADISON COUNTY). This site is being developed as a gas station/convenience store. The permittee has submitted a sufficient Notice of Intent to obtain new NPDES general permit coverage under ING420000, the NPDES General Permit for Temporary Discharges of Wastewater. They will be engaging in short-term dewatering of a limited area necessary for the installation of underground storage tanks, product piping, fuel dispenser sumps, canopy footers, and non-underground storage tank system construction items. There will be one (1) permitted outfall located as follows:

OUTFALL	LATITUDE	LONGITUDE	RECEIVING WATER
001	39^{O} 59’ 57.1”	-85^{O} 44’ 14.7”	Town of Pendleton Storm Sewer System to Fall Creek

This general permit coverage is **effective August 1, 2026**. Effluent limitations, monitoring requirements, and specific discharge restrictions have been included in the Notice of Coverage letter. For more information regarding permit coverage, please contact Ms. Anne Burget at (317) 234-8745 or via email at aburget@idem.IN.gov.

Notice of Right to Administrative Review

If you wish to challenge this permit coverage, you must file a Petition for Administrative Review with the Office of Administrative Law Proceedings (OALP) and serve a copy of the petition upon IDEM. The requirements for filing a Petition for Administrative Review are found in IC 4-21.5-3-7, IC 13-15-6-1 and 41 IAC 2-2-1. A summary of the requirements of these laws is provided below.

A Petition for Administrative Review must be filed with the OALP within fifteen (15) days of the issuance of this notice (eighteen (18) days if you received this notice by U.S. Mail), and a copy must be served upon IDEM. Addresses are as follows:

Director
Office of Administrative Law Proceedings
Indiana Government Center North
Suite N802
100 N. Senate Ave.
Indianapolis, IN 46204

Commissioner
Indiana Department of Environmental Management
Indiana Government Center North
Room 1301
100 N. Senate Ave.
Indianapolis, IN 46204

The petition must contain the following information:

1. The name, address and telephone number of each petitioner.
2. A description of each petitioner's interest in the permit.
3. A statement of facts demonstrating that each petitioner is:
    a. a person to whom the order is directed;
    b. aggrieved or adversely affected by the permit; or
    c. entitled to administrative review under any law.
4. The reasons for the request for administrative review.
5. The particular legal issues proposed for review.
6. The alleged environmental concerns or technical deficiencies of the permit.
7. The permit terms and conditions that the petitioner believes would be appropriate and would comply with the law.
8. The identity of any persons represented by the petitioner.
9. The identity of the person against whom administrative review is sought.
10. A copy of the permit that is the basis of the petition.
11. A statement identifying petitioner's attorney or other representative, if any.

Failure to meet the requirements of the law with respect to a Petition for Administrative Review may result in a waiver of your right to seek administrative review of the permit. Examples are as follows:

1. Failure to file a Petition by the applicable deadline;
2. Failure to serve a copy of the Petition upon IDEM when it is filed; or
3. Failure to include the information required by law.

If you seek to have a permit stayed during the administrative review, you may need to file a Petition for a Stay of Effectiveness. The specific requirements for such a Petition can be found in 41 IAC 2-2-1 and 41 IAC 2-2-3.

Pursuant to IC 4-21.5-3-17, the OALP will provide all parties with notice of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action. If you are entitled to notice under IC 4-21.5-3-5(b) and would like to obtain notices of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action without intervening in the proceeding you must submit a written request to the OALP at the address above.

If you have procedural or scheduling questions regarding your Petition for Administrative Review, please refer to OALP's website at https://www.in.gov/oalp/.

NOTICE OF INTENT (NOI) LETTER FOR ING420000 TEMPORARY DISCHARGES GENERAL NPDES PERMIT

State Form 56913 (2-20)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Mail this form and required attachments to:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Office of Water Quality,
Permits Administration Section
100 North Senate Avenue, IGCN Room 1255
Indianapolis, IN 46204-2251

INSTRUCTIONS

- ***This form must be used to apply for coverage under the General NPDES Permit for temporary discharges pursuant to NPDES Permit Number ING420000. Please submit the form at least forty-five (45) days prior to the planned commencement of discharge.***
- ***Please type or print in ink. Do not use white-out to correct errors. Strike-through and initial any corrections.***
- ***Further item-specific instructions are provided in Appendix A on pages 6 and 7 of this form.***

For questions regarding this form, the required attachments, and permit requirements, contact the Office of Water Quality, Permits Administration Section at (317) 232-8704 or (800) 451-6027, ext 28704 (within Indiana) or contact us via e-mail at OWQWWPER@idem.IN.gov.

ELIGIBILITY REQUIREMENTS

This permit authorizes certain temporary discharges of wastewater to surface waters of the state. Types of discharges that may be covered under this permit include, but are not limited to, emergency discharges, discharges related to environmental cleanup activity, discharges resulting from testing of pilot projects, and dewatering discharges of contaminated water. These discharges can only be permitted under this general permit for a maximum of 364 consecutive calendar days.

Discharges **NOT** authorized by this permit include the following:

a) direct discharges into waters that are designated as an Outstanding National Resource Water (ONRW) as defined at IC 13-11-2-149.5;
b) discharges to a receiving stream when the discharge results in an increase in the ambient concentration of a pollutant which contributes to the impairment of the receiving stream for that pollutant as identified on the current 303(d) list of impaired waters;
c) discharges containing water treatment additives (WTAs) which have not received prior written approval from IDEM for the specific additive, use, and dosage at the particular facility for which the Notice of Intent (NOI) is submitted;
d) discharges that take place within five-hundred (500) yards upstream of a public water supply surface water intake and cannot meet Indiana's public water supply standards;
e) discharges of storm water associated with industrial activity (regulated under 327 IAC 15-6)
f) discharges of storm water runoff associated with construction activity (regulated under 327 IAC 15-5 or INRA00000);
g) discharges from coal mining operations (regulated under 327 IAC 15-7);
h) discharges from a groundwater petroleum remediation system (regulated under General NPDES Permit ING080000);
i) discharges from a petroleum product terminal (regulated under General NPDES Permit ING340000);
j) discharges from a sand, gravel, dimension stone, or crushed stone operation (regulated under General NPDES Permit ING490000);
k) discharges of hydrostatic test water from a commercial pipeline (regulated under General NPDES Permit ING670000);
l) discharges that are discharged to combined or sanitary sewer systems;
m) discharges that are commingled with hazardous wastes or hazardous materials;
n) bypasses or upsets of any kind from a treatment works or collection system;
o) discharges that contain pollutants classified as bioaccumulative chemicals of concern (BCCs);
p) discharges for which the Commissioner requests an individual NPDES permit application; and
q) discharges of wastewater already regulated under another NPDES permit.

☒ By checking this box I certify that this facility meets all eligibility requirements of this general permit.

APPLICATION TYPE AND INFORMATION

☒ NEW ☐ MODIFICATION	ANTICIPATED DATE OF COMMENCEMENT OF DISCHARGE *(month, day, year)* 8/1/2026	ESTIMATED DURATION *(IN DAYS)* OF DISCHARGE *(MUST NOT EXCEED 364 DAYS)* 90	DESCRIPTION OF PROPOSED MODIFICATION, IF APPLICABLE

PART A: GENERAL INFORMATION FOR FACILITY

1. FACILITY NAME *(See Appendix A.)*

Wawa Store No. 7430

2. FACILITY MAILING ADDRESS *(See Appendix A.)*			3. FACILITY PHYSICAL LOCATION (*See Appendix A.*)		
STREET ADDRESS *(number and street)* 260 W. Baltimore Pike			STREET ADDRESS *(number and street)* 525 E State Street		
CITY Media	STATE PA	ZIP CODE 19063	CITY Pendleton	STATE IN	ZIP CODE 47421

4. PARENT COMPANY/OWNER'S COMPLETE MAILING ADDRESS *(See Appendix A.)*			5. FACILITY CODES *(See Appendix A.)* SIC Code	NAICS Code	6. FACILITY COUNTY
COMPANY NAME Wawa Midwest, LLC			5541	457110	Madison
STREET ADDRESS *(number and street)* 260 W. Baltimore Pike			7. LATITUDE AND LONGITUDE OF CENTER OF FACILITY SITE *(See Appendix A.)*		
			Latitude		Longitude
			degree / minute / second		degree / minute / second
CITY Media	STATE PA	ZIP CODE 19063	39 / 59 / 56.30		85 / 44 / 12.60

8. What is the nature of the primary business conducted at the facility or site? (Example: new construction of a small business building)
New construction of a gasoline fueling station and convenience store.

9. Provide a brief description of the facility operations that result in the discharge. (Example: dewatering of limited area necessary to construct foundation for building)
Short-term dewatering of a limited area necessary during installation of the underground storage tanks (USTs), product piping, fuel dispenser sumps, and canopy footers.

PART B: CONTACT INFORMATION FOR RESPONSIBLE OFFICIAL (AUTHORIZED NOI SIGNATORY)

Provide information regarding the responsible official who has the authorization to sign this NOI in accordance with 40 CFR 122.22. If the responsible official wishes to delegate signatory authority for reports and other correspondence related to this NOI, that delegation must be made in writing to IDEM. This delegation of authority may occur either via this NOI or via a letter (signed and dated by the responsible official) which shall be submitted to the address on Page 1 of this NOI form. *(See Appendix A.)*

10. NAME OF RESPONSIBLE OFFICIAL	11. DELEGATED SIGNATORY PERSON (OR POSITION) TO SIGN REPORTS AND FILE ADDITIONAL NOI CONTENT REQUIREMENTS
Joseph Standen of Wawa Midwest, LLC	Austin Cooney of APTIM
RESPONSIBLE OFFICIAL'S TITLE	DELEGATED SIGNATORY PERSON'S TITLE or POSITION
Senior Environmental Manager	Agent on behalf of Wawa Midwest, LLC
RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER	DELEGATED SIGNATORY PERSON'S TELEPHONE NUMBER
321-439-4886	413-441-5451
RESPONSIBLE OFFICIAL'S FACSIMILE NUMBER	DELEGATED SIGNATORY FACSIMILE NUMBER
N/A	N/A
RESPONSIBLE OFFICIAL'S PHYSICAL LOCATION ADDRESS	DELEGATED SIGNATORY'S PHYSICAL LOCATION ADDRESS
260 W. Baltimore Pike, Media, PA	1228 Winter Garden Vineland Road, Winter Garden, FL 34787
RESPONSIBLE OFFICIAL'S MAILING ADDRESS	DELEGATED SIGNATORY'S MAILING ADDRESS
260 W. Baltimore Pike, Media, PA`	1228 Winter Garden Vineland Road, Winter Garden, FL 34787
RESPONSIBLE OFFICIAL'S E-MAIL ADDRESS	DELEGATED SIGNATORY PERSON'S E-MAIL ADDRESS
joseph.standen@wawa.com	austin.cooney@aptim.com

PART C: OTHER CONTACT INFORMATION

12. DISCHARGE MONITORING REPORTS CONTACT AND MAILING INFORMATION	CONTACT PERSON AND COMPANY NAME Austin Cooney / APTIM		
CONTACT TELEPHONE NUMBER 413-441-5451	STREET ADDRESS *(number and street)* 1228 Winter Garden Vineland Road		
CONTACT E-MAIL ADDRESS jonathan.reagan@aptim.com	CITY Winter Garden	STATE FL	ZIP CODE 34787
13. ANNUAL FEE AND FINANCIAL CONTACT AND BILLING ADDRESS	CONTACT PERSON AND COMPANY NAME Austin Cooney / APTIM		
CONTACT TELEPHONE NUMBER 413-441-5451	STREET ADDRESS *(number and street)* 1228 Winter Garden Vineland Road		
CONTACT E-MAIL ADDRESS austin.cooney@aptim.com	CITY Winter Garden	STATE FL	ZIP CODE 34787

14. CONTRACTOR OR OPERATOR / CONTACT AND MAILING INFORMATION *(as necessary)*	CONTACT PERSON AND COMPANY NAME		
CONTACT TELEPHONE NUMBER	STREET ADDRESS *(number and street)*		
CONTACT E-MAIL ADDRESS	CITY	STATE	ZIP CODE

PART D: OUTFALL INFORMATION

Provide the following information for all outfalls / discharges to be covered by this general permit. You may attach additional sheets if necessary.

15. OUTFALL NUMBER	16. LATITUDE			LONGITUDE			17. RECEIVING WATER *(See Appendix A.)*	18. FOR ANY DISCHARGE INTO A STORM SEWER IDENTIFY THE STORM SEWER OWNER. *(See Appendix A.)*	19. ANTICIPATED DAILY VOLUME OF DISCHARGE in MGD AND METHOD OF DETERMINATION OF VOLUME
	deg	min	sec.	deg.	min.	sec.			
1	39	59	57.1	85	44	14.7	Falls Creek	Town of Pendleton (Swale)	0.045 MGD/ Broward County

PART E: EFFLUENT CHARACTERIZATION

20. Representative samples of the water that is to be discharged must be analyzed for substances that could reasonably be expected to be present based on the results of the site inquiry. A table of contaminants based on types of common source sites with temporary discharges are provided in Appendix B, at the end of the NOI form. The applicant should:

    1) determine which of them best applies to the site and discharge that is to be permitted;
    2) copy that table as needed for each outfall/discharge to be covered by this general permit.
    3) conduct the sampling and testing required by the table that fits the site;
    4) fill out the table with the resulting data; and
    5) submit the completed table with the completed and signed NOI document.

PART F: WATER TREATMENT ADDITIVES

Please complete the following additional information about the discharge from each outfall. Note that the only additives that may be used under this permit are those that have been approved for use at this site by the Indiana Department of Environmental Management. You may attach additional sheets if necessary. *(See Appendix C.)*

21. OUTFALL NUMBER	22. WATER TREATMENT ADDITIVES (WTAs) TO BE USED

PART G: ADDITIONAL REQUIRED ATTACHMENTS

23. PROOF OF PUBLICATION

The NOI must also include the submittal of a proof of publication of the following statement in a newspaper of largest circulation in the area of the discharge:

(Supply facility name, address, address of the location of the discharging facility) "is submitting a Notice of Intent to notify the Indiana Department of Environmental Management of our intent to comply with the requirements under National Pollutant Discharge Elimination System (NPDES) general permit ING420000 to discharge non-process wastewater on a temporary (less than 364 consecutive days) basis. This site will discharge wastewater *"(describe activity resulting in discharge and type of discharge*) to *(insert the name of the stream(s) or water body receiving the discharge(s)*)."

"Any person wishing further information about this discharge may contact *(supply facility contact person's name and telephone or e-mail information)*. The decision to issue coverage under this NPDES general permit for this discharge is appealable as per IC 13-15-6. Any person who wants to be informed of IDEM's decision regarding granting or denying coverage to this facility under this NPDES permit, and who wants to be informed of procedures to appeal the decision, may contact IDEM's offices at OWQWWPER@Idem.IN.gov to be placed on a mailing list to receive notification of IDEM's decision."

This publication must be in the newspaper for a minimum of one day. Be advised that notices without the proper information will not be sufficient, and IDEM will require that a new public notice be placed in the newspaper. If the proof of publication is not available a legible photocopy of the article that contains the name of the newspaper and the date the article was run is also acceptable. Please attach proof of publication of this statement from the newspaper to the NOI.

24. REQUIRED MAPS

1. A topographical map must be submitted with this NOI. The map must include the following items:
   (A) the location of the operation shown clearly and identified by name and by mark;
   (B) the location of each numbered outfall shown clearly and identified by number and by mark;
   (C) the receiving streams that each outfall discharges to shown clearly and identified by name; and
   (D) any existing permanent structures or roads in the area shown clearly and identified by name.

2. A site map must be submitted. The site map must show and identify the significant structures, including all piping, diked areas, all outfall and sampling locations, and any flow paths from piping to outfall on the property.

3. A flow schematic diagram for each outfall that is to be permitted must be submitted with this NOI. This diagram should show the path that the wastewater water travels through the site to the point where it is discharged. If multiple outfalls will follow essentially the same path, these outfalls may be included on one diagram.

25. SITE INQUIRY ATTACHMENT

The applicant shall conduct an inquiry to determine what soil or groundwater contamination should be expected in the wastewater to be discharged. The inquiry should consider:

1) current and historic uses of the site;
2) current uses of adjacent sites;
3) probable hazardous substances that could reasonably be associated with the current or historic uses;
4) whether the site is considered contaminated by the IDEM, US EPA, or other parties;
5) whether the site is currently subject to risk-based corrective action due to a known petroleum release from an underground storage tank; and
6) any other relevant information.

The applicant should submit a copy of the site inquiry with this NOI The results of this inquiry will serve to determine what additional pollutants should be expected to be present in the wastewater to be discharged from the site. These pollutants should be included in the Effluent Characterization *(see Part E and Appendix B of the NOI)*.

PART H: IDENTIFICATION OF POTENTIALLY AFFECTED PERSONS

26. Pursuant to IC 4-21.5 and IC 13-15-3-1 each applicant for general permit coverage is required to provide a listing of all persons who are potentially affected by the discharge(s) to be covered under the general permit. **PLEASE NOTE THAT MAILING LABELS ARE ALSO REQUIRED WITH THIS SUBMITTAL**. *(See instructions in Appendix A.)*

Please list here any and all persons whom you have reason to believe have a substantial or proprietary interest in this matter, or could otherwise be considered to be potentially affected under the law. Failure to notify any person who is later determined to be potentially affected could result in voiding our decision on procedural grounds. To ensure conformance with AOPA and to avoid reversal of a decision, please list all such parties. Attach additional names and addresses on a separate sheet of paper, as needed.

Name: Scott Reske - Town of Pendleton		Name:
Street address *(number and street)*: 100 W. State Street, PO BOX 230		Street address *(number and street)*:
City/State/ZIP Code: Pendleton, IN 46064		City/State/ZIP Code:
E-mail address: sreske@pendleton.in.gov		E-mail address:
Name:		Name:
Street address *(number and street)*:		Street address *(number and street)*:
City/State/ZIP Code:		City/State/ZIP Code:
E-mail address:		E-mail address:
Name:		Name:
Street address *(number and street)*:		Street address *(number and street)*:
City/State/ZIP Code:		City/State/ZIP Code:
E-mail address:		E-mail address:
Name:		Name:
Street address *(number and street)*:		Street address *(number and street)*:
City/State/ZIP Code:		City/State/ZIP Code:
E-mail address:		E-mail address:

PART H: IDENTIFICATION OF POTENTIALLY AFFECTED PERSONS *(continued)*	
Name:	Name:
Street address *(number and street)*:	Street address *(number and street)*:
City/State/ZIP Code:	City/State/ZIP Code:
E-mail address:	E-mail address:
Name:	Name:
Street address *(number and street)*:	Street address *(number and street)*:
City/State/ZIP Code:	City/State/ZIP Code:
E-mail address:	E-mail address:
Name:	Name:
Street address *(number and street)*:	Street address *(number and street)*:
City/State/ZIP Code:	City/State/ZIP Code:
E-mail address:	E-mail address:
Name:	Name:
Street address *(number and street)*:	Street address *(number and street)*:
City/State/ZIP Code:	City/State/ZIP Code:
E-mail address:	E-mail address:

PART I: APPLICATION FEE

27. A $50 fee is required to be submitted with this NOI in accordance with IC 13-18-20-12. The $50 fee is applicable for each new permit and modification. (Updates to information in Parts B and C shall not be subject to the $50 fee for modifications.) Checks or money orders shall be made payable to IDEM. Credit card payments are also acceptable. For more information, please contact IDEM's Accounting Dept at (317) 234-3099. Online payments can also be made via IDEM's website by visiting https://www.in.gov/idem/6973.htm.

PART J: SIGNATORY CERTIFICATION STATEMENT

28. The NOI must be signed by the Responsible Official (as identified in Part B, item 10. Also see Appendix A):

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly 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.

I swear or affirm, under penalty of perjury as specified by IC 35-44.1-2-1 and other penalties specified by IC 13-30-10 and IC 13-15-7-1(3), that the statements and representations in this ***NOI*** *are true, accurate, and complete.*

Joseph W. Standen, Jr. Printed or Typed Name of Responsible Official	Senior Environmental Manager Title
Joseph W. Standen, Jr. Signature	7/10/2026 Date signed *(month, day, year)*

PART K: 29. Please use the address at the top of page 1 of the NOI form to submit completed NOI form, attachments, and fee.

APPENDIX A: SUPPLEMENTAL INSTRUCTIONS

APPLICATION TYPE: For the purposes of this form a modification would consist of removing an existing outfall, adding an outfall in a new location, updating the quantity of discharge anticipated, or updating your wastewater characterization if it is determined that an actual value differs significantly from what you stated on a previous submittal. Please note that outfall locations are considered for the purposes of this permit to be discrete points. If you relocate an outfall you must apply for a modification to remove the outfall at the previous location, and add a new outfall with a new outfall number, to the permit.

Changes in contact information must be reported, but you may do so with a letter signed by the signatory (Part B Item 10) or delegated signatory authority (Part B Item 11). An NOI modification submittal is not required for these changes.

ELIGIBILITY REQUIREMENTS: Prior written approval from IDEM is required for any substance that is to be added to the water that is to be discharged. See Appendix C of this application which incorporates the requirements of State Form 50000 (the application for the use of Water Treatment Additives).

Part A, item 1: Enter the name of the specific site location that is to be permitted. This will be a unique name to identify this single site in conversation and correspondence.

Part A, Items 2 and 3: If the physical location is the same as the mailing address of the site to be permitted then both of these sections will be the same. In this case you may fill in the first and fill in "same" in the second. However if the mailing address is not sufficient to allow a person who wishes to visit the site to find it then section 3 should be a description of where the site itself is located. You may attach additional sheets if the boxes provided do not offer sufficient space to provide a proper location description.

Part A, Item 4: Enter the name and mailing address of the company that owns the site. This may be the name of the site itself but does not have to be. For example if "ABC Stone company" owns quarries at several locations, one of which this permit is being applied for, then "ABC Stone Company" and location of ABC Stone Company's signatory (see Part B, item, 10, below) would be listed here.

Part A, Item 5: Enter the four digit Standard Industrial Classification (SIC) code which identifies the facility's primary activity. SIC codes can be obtained from the Standard Industrial Classification Manual, 1987, by accessing the Occupational Safety and Health Administration (OSHA) website or by contacting the Indiana Department of Workforce Development. You should also provide the applicable NAICS Code, which is the six digit North American Industrial Classification System (NAICS) code, if known.

Part A, Item 7: The latitude and longitude of the approximate center of the facility site must be in the degrees/minutes/seconds format. Longitude and latitude can be obtained from United States Geological Survey (USGS) quadrangle or topographic map, by calling (888) 275-8747, or by accessing a locational (geocoding) website and conducting a search based on the facility street address. You may also access this information with the use of a handheld GPS unit at the site.

Longitude and Latitude in decimal degrees may be converted to degrees/minutes/seconds for proper entry on the NOI by following this example:

Convert decimal latitude 45.1234567 to degrees/minutes/ seconds

1. The numbers to the left of the decimal point are degrees: 45.
2. To obtain minutes multiply the first four number to the right of the decimal point by 0.006: 1234 x 0.006 = 7.404
3. The numbers to the left of the decimal point in the result obtained in (2) are the minutes: 7
4. To obtain seconds multiply the remaining three numbers to the right of the decimal from the result obtained in (2) by 0.06: 404 x 0.06 = 24.24.
5. Since the numbers to the right of the decimal are not used the result is 24 seconds.
6. The conversion for 45.1234567 is 45° (degrees), 7' (minutes), and 24" (seconds).

Part B, item 10: The Responsible Official must meet one of the following requirements:

a) For a corporation, the responsible official must be a responsible corporate officer, which means either of the following:
   (1) A president, secretary, treasurer, any vice president of the corporation in charge of a principal business function, or any other person who performs similar policymaking or decision making functions for the corporation.
   (2) The manager of one (1) or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

b) For a partnership or sole proprietorship, the responsible official must be a general partner or the proprietor, respectively.

c) For a municipality, state, federal, or other public agency or political subdivision thereof, the responsible official must be either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency is:
   (1) The chief executive officer of the agency, or
   (2) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of U.S. EPA).

Part E, Item 15: Enter a three number designation for each point where you will discharge, for example, 001, 002, 003, etc.

Part E, Item 16: See the instructions for Part A, Item 7, above.

Part E, Item 17: Enter the name of the waters of the state into which the discharges from each outfall will occur, as either the body of water itself, if the discharge is direct, or taking into account tributaries, if applicable. EXAMPLE: "Stone Creek", or "Connor Ditch to Stone Creek"; or "unnamed tributary to Connor Ditch".

Part E, Item 18: If the discharge first enters a storm sewer prior, which then carries it to waters of the state, then please provide the name of the owner of the storm sewer. EXAMPLE: "City of Muncie Department of Public Works" or "LaPorte Municipal Storm Sewer System to Connor Ditch".

APPENDIX A: SUPPLEMENTAL INSTRUCTIONS *(continued)*

Part E, items 20 and 21: All pollutant levels must be reported as concentration and as total mass (except for discharge flow, pH, and temperature). Total mass is the total weight of pollutants discharged over a day. Use the following abbreviations for units:

Concentration	Mass
ppm.....parts per million	lbs.....pounds
mg/l.....milligrams per liter	ton.....tons (English tons)
ppb.....parts per billion	mg.....milligrams
ug/l.....micrograms per liter	g.....grams
kg.....kilograms	T.....tonnes (metric tons)
ng/l.....nanograms per liter	

A. Existing Sources

You are required to provide at least one analysis for each pollutant or parameter listed that is known or believed to be present by filling in the requested information under the applicable column. Data reported must be representative of the facility's proposed or current operation. Parameters not present should be marked N/A.

The analysis of the listed pollutants or parameters must be done in accordance with procedures promulgated in 40 CFR Part 136. Grab samples must be used for pH, residual chlorine, and oil and grease. For all other pollutants a 24-hour composite samples must be used. Any further questions on sampling or analysis should be directed to (317) 232-8704 or OWQWWPER@idem.IN.gov.

The Commissioner may request that you do additional testing, if appropriate, on a case by case basis under Section 308 of the Clean Water Act (CWA). If you expect a pollutant to be present solely as a result of its presence in your intake water, provide this information on a separate piece of paper attached to the NOI form.

B. New Dischargers

You are required to provide an estimated maximum daily and average daily value for each pollutant or parameter (exceptions noted on the form). Sampling and analysis are not required at this time. If, however, data from such analyses are available, then such data should be reported. The source of the estimates should be provided in the second column of item 22, for example, estimates based on available in-house or contractor's engineering reports or any other studies performed on the proposed facility. In providing the estimates, use the codes in the following table to indicate the source of such information.

Engineering study Code

Actual data pilot plants	1
Estimates from other engineering studies	2
Data from other similar plants	3
Best professional estimates	4
Others	*Specify on the form.*

Part F, Item 22: Water Treatment Additives may only be used at outfalls to be covered by this general permit if the applicant has received approval from IDEM, as denoted in the Eligibility Requirements on Page 1 of the NOI form. For more information, please contact us at (317) 232-8704 or OWQWWPER@idem.IN.gov.

Part H, Item 26: Identification of Potentially Affected Persons

The Administrative Orders and Procedures Act (AOPA) IC 4-21.5-3-5(b), requires that the Indiana Department of Environmental Management (IDEM) give notice of its decision on your Notice of Intent to the following persons:

1) Each person to whom the decision is specifically directed;
2) Each person to whom a law requires notice to be given;
3) Each competitor who has applied to the IDEM for a mutually exclusive license, if issuance is the subject of the decision and the competitor's application has not been denied in an order for which all rights to judicial review have been waived or exhausted;
4) Each person who has provided the IDEM with a written request for notification of the decision;
5) Each person who has a substantial and direct proprietary interest in the issuance of the (permit/variance);
6) Each person whose absence as a party in the proceeding concerning the (permit) decision would deny another party complete relief in the proceeding or who claims an interest related to the issuance of the (permit) and is so situated that the disposition of the matter, in the person's absence may:
   a) As a practical matter impair or impede the person's ability to protect that interest, or
   b) Leave any other person who is a party to a proceeding concerning the permit subject to a substantial risk of incurring multiple or otherwise an inconsistent obligation by reason of the person's claimed interest.

IC 4-21.5-3-5(f) provides that we may request your assistance in identifying these people.

Additionally, IC 13-15-3-1 requires IDEM to send notice that the permit application has been received by the department to the following:

a) The board of county commissioners of a county affected by the permit application and
b) The mayor of a city that is affected by the permit application, or
c) The president of a town council of a town affected by the permit application.

Please provide on the following form the names of those persons affected by these statutes, **and include mailing labels with your NOI.** These mailing labels should have the names and addresses of the affected parties **along with our mailing code (65-42PS) listed above each** affected party listing.

Example: 65-42PS
John Doe
111 Circle Drive
City, State, ZIP Code

If known, please also provide the person's e-mail address to facilitate electronic distribution of notifications.

Part J, Item 28: 40 CFR 122.22 and 327 IAC 5-2-22 require that an application for an NPDES permit or an NOI for a general permit must be signed by a person who meets the definition of Responsible Official. This definition is explained in the instructions for Part B, Item 10 above.

APPENDIX B: EFFLUENT CHARACTERIZATION

As per the instructions in Part E of the NOI, the following table should be utilized to provide a characterization of the wastewater that is to be discharged under this permit. Sufficiently sensitive test methods must be utilized in the analysis of any samples.

A. Existing Sources – Provide measurements for the parameters listed in the left hand column. You must use, or require your contract laboratory to use, an analytical method with a detection level low enough to provide a detectable value for the pollutant of concern. Please provide the method used and detection limit achieved by the laboratory.
B. New Dischargers – Provide estimates for the parameters listed in the left-hand column below. Instead of the number of measurements taken, provide the source of estimated value.

	Waiver Requested	(1) Maximum Daily Value *(include units)*		(2) Average Daily Value *(last year)* *(include units)*		(3) Estimated or Actual Data Results?	(3) Source of Estimate *(if new discharger)*	Analytical Method *(List method used and detection limit achieved in lab.)* Method	Analytical Method Detection Limit
		Mass	Concentration	Mass	Concentration				
Biochemical Oxygen Demand (BOD_5)	x								
Total Suspended Solids (TSS)	During dewatering								
Total Residual Chlorine	X								
Oil and Grease	During dewatering								
Ammonia (as N)	X								
E. coli	X								
Discharge Flow	During dewatering	VALUE in MGD		VALUE IN MGD					
pH (S.U.)	During dewatering	MINIMUM		MAXIMUM					
Temperature (Winter)	x	Value in Degrees Fahrenheit		Value in Degrees Fahrenheit					
Temperature (Summer)	x	Value in Degrees Fahrenheit		Value in Degrees Fahrenheit					
Lead		26.8	ug/L	N/A	N/A	Actual	GW Sample	6010	10.0 ug/L
Cyanide, free	x								
Cyanide, total	x								
Antimony	x								
Arsenic		28.3	ug/L	N/A	N/A	Actual	GW Sample	6010	10.0 ug/L
Benzene	x								
Beryllium	x								
BTEX	x								

Cadmium	x								
Chloride	x								
Chromium		31.0	ug/L	N/A	N/A	Actual	GW Sample	7470/6010	10.0 ug/L
Copper	x								
Hardness	x								
Mercury (Test Method 1631, Revision E)		ND	ug/L	N/A	N/A	Actual	GW Sample	6010	0.20 ug/L
Nickel	X								
Selenium		ND	ug/L	N/A	N/A	Actual	GW Sample	6010	10.0 ug/L
Silver		ND	ug/L	N/A	N/A	Actual	GW Sample	6010	10.0 ug/L
Sulfate	x								
Total Organic Carbon (TOC)	x								
TVOC	x								
Zinc	x								
Coal Combustion Residual (CCR) [1]	x								
Perchloroethylene (PERC)	x								
Tetrachloroethene (TCE)	x								
Cis-1,2-dichloroethene (cis-1,2-dichloroethylene, cis-1,2-DCE)		61.4	ug/L	N/A	N/A	Actual	GW Sample	8260	5.0 ug/L
Trans-1,2-dichloroethene (trans-1,2-dichloroethylene, trans-1,2-DCE)	x								
1,1,1-trichloroethane (1,1,1-TCA)	x								
1,1-dichloroethene (1,1-dichlorothylene, 1,1-DCE)	x								
1,1-dichloroethane (1,1-DCA)	x								
1,2-dichlorothane (1,2-DCA)	x								
Acenaphthene	x								
Acrolein	x								
Acrylonitrile	x								
Benzidine	x								
Carbon tetrachloride (tetrachloromethane)	x								

Chloroform (trichloromethane)	x								
Chlorobenzene	x								
1,2,4-trichlorobenzene	x								
Hexachlorobenzene	x								
1,2-dichloroethane	x								
1,1,1-trichloroethane	x								
Hexachloroethane	x								
Dichloromethane (methylene chloride)	x								
1,1,2-Trichloroethane (1,1,2-TCA)	x								
1,1,2,2-tetrachloroethane	x								
Chloroethane	x								
Bis(2-chloroethyl) ether	x								
2-chloroethyl vinyl ether (mixed)	x								
2-chloronaphthalene	x								
2,4, 6-trichlorophenol	x								
Parachlorometa cresol	x								
2-chlorophenol	x								
1,2-dichlorobenzene	x								
1,3-dichlorobenzene	x								
1,4-dichlorobenzene	x								
3,3-dichlorobenzidine	x								
1,1-dichloroethylene	x								
1,2-trans-dichloroethylene	x								
2,4-dichlorophenol	x								
1,2-dichloropropane	x								
1,3-dichloropropylene (1,3-dichloropropene)	x								
2,4-dimethylphenol	x								
2,4-dinitrotoluene	x								
2,6-dinitrotoluene	x								

1,2-diphenylhydrazine	x								
Ethylbenzene	x								
Fluoranthene	x								
4-chlorophenyl phenyl ether	x								
4-bromophenyl phenyl ether	x								
Bis(2-chloroisopropyl) ether	x								
Bis(2-chloroethoxy) methane	x								
Methyl chloride (dichloromethane)	x								
Methyl bromide (bromomethane)	x								
Bromoform (tribromomethane)	x								
Dichlorobromomethane	x								
Chlorodibromomethane	x								
Hexachlorobutadiene	x								
Hexachloromyclopentadiene	x								
Isophorone	x								
Naphthalene	x								
Nitrobenzene	x								
2-nitrophenol	x								
4-nitrophenol	x								
2,4-dinitrophenol	x								
4,6-dinitro-o-cresol	x								
N-nitrosodimethylamine	x								
N-nitrosodiphenylamine	x								
N-nitrosodi-n-propylamin	x								
Pentachlorophenol	x								
Phenol	x								
Bis(2-ethylhexyl) phthalate	x								
Butyl benzyl phthalate	x								
Di-N-Butyl Phthalate	x								

Di-n-octyl phthalate	x								
Diethyl Phthalate	x								
Dimethyl phthalate	x								
1,2-benzanthracene (benzo(a) anthracene	x								
Benzo(a)pyrene (3,4-benzo-pyrene)	x								
3,4-Benzofluoranthene (benzo(b) fluoranthene)	x								
11,12-benzofluoranthene (benzo(k) fluoranthene)	x								
Chrysene	x								
Acenaphthylene	x								
Anthracene	x								
1,12-benzoperylene (benzo(ghi) perylene)	x								
Fluorene	x								
Phenanthrene	x								
1,2,5,6-dibenzanthracene (dibenzo(,h) anthracene)	x								
Indeno (,1,2,3-cd) pyrene (2,3-o-pheynylene pyrene)	x								
Pyrene	x								
Tetrachloroethylene	x								
Toluene	x								
Trichloroethylene		44.9	ug/L	N/A	N/A	Actual	GW Sample	8260	5.0 ug/L
Vinyl chloride (chloroethylene)		4.5	ug/L	N/A	N/A	Actual	GW Sample	8260	2.0 ug/L
Aldrin	x								
Dieldrin	x								
Chlordane (technical mixture and metabolites)	x								
4,4-DDT	x								
4,4-DDE (p,p-DDX)	x								
4,4-DDD (p,p-TDE)	x								
Alpha-endosulfan	x								
Beta-endosulfan	x								

Endosulfan sulfate	x								
Endrin	x								
Endrin aldehyde	x								
Heptachlor	x								
Heptachlor epoxide (BHC-hexachlorocyclohexane)	x								
Alpha-BHC	x								
Beta-BHC	x								
Gamma-BHC (lindane)	x								
Delta-BHC (PCB-polychlorinatedbiphenyls)	x								
PCB-1242 (Arochlor 1242)	x								
PCB-1254 (Arochlor 1254)	x								
PCB-1221 (Arochlor 1221)	x								
PCB-1232 (Arochlor 1232)	x								
PCB-1248 (Arochlor 1248)	x								
PCB-1260 (Arochlor 1260)	x								
PCB-1016 (Arochlor 1016)	x								
Toxaphene	x								
Asbestos	x								
Thallium	x								

[1] A one-time sample of Coal Combustion Residual (CCR)-related 126 priority pollutants is required to be submitted for ash ponds.

APPENDIX C: WATER TREATMENT ADDITIVE APPLICATION

INTRODUCTION

All dischargers are required to disclose information on the water treatment additives in use and to demonstrate that such additives will not be harmful to aquatic life.

To assure that all discharges from treatment systems using water treatment chemicals meet Indiana Water Quality Standards, the following information must be submitted to the IDEM, Office of Water Quality, Permits Administration Section when applying for a new or renewal NPDES permit or permit modification. During the preparation of the NPDES permit or modification, this information may be used to establish permit limitations which comply with all Indiana Water Quality Standards. Additionally, if a permittee changes water treatment additives during the term of their NPDES permit, the following information must be submitted to the Permits Administration Section, and approval of the change must be received prior to use of the new product(s).

The information required by this form must be submitted for each additive submitted for review. Some of this information may come from the Material Safety Data Sheet (MSDS) for the additive and should be included with this application. It should also be noted that biomonitoring of the effluent for the affected outfall(s) may be required. Please provide the following information for each additive.

PART A: GENERAL INFORMATION

1. Name of authorized official *(first, last)*

2. Name of facility

3. Mailing address *(number and street or PO box)*

City	State	ZIP code

CONTACT PERSON

4. Name of primary contact person *(first, last)*

5. Telephone number	**6.** E-mail address *(optional)*

FACILITY

7. Facility address *(number and street)*

City	State	ZIP code	County

8. Telephone number	**9.** E-mail address *(optional)*

10. NPDES Permit Number *(if facility has an existing permit)*

(Continued on next page.)

PART B: ADDITIVE DETAILS

11. Name of water treatment additive ☐ New ☐ Previously Approved

12. Chemical composition of the water treatment additive[1]

13. What is the feed or dosage rate in grams / twenty-four (24) hour period? *(This may be provided in fluid ounces.)*

14. If more than one Outfall is covered by this permit, which Outfall does the use of this water treatment additive affect?

15. Name any ingredient(s) that may be present and may cause toxicity at the proposed Outfall. If known, provide the discharge concentration of the ingredients *(mg/l)*.

16. Provide the location where the additive is put into use.[2]

17. Provide the duration of use for the additive *(hours per day and days per year)*.

_____ hours / day _____ days / year

PART C: ADDITIVE CONCENTRATION

18. Concentration (mg/l) of the water treatment additive used in the treatment system

19. The concentration (mg/l) of the water treatment additive used in the final discharge *(if known)*

20. Discharge concentration of the water treatment additive *(mg/l)*

21. Please explain how the final discharge concentration stated for item # 20 was determined.[2]

22. Provide a description and method used to control the use of the water treatment additive. What are the procedures on how to maintain this concentration within the system?[2]

(Continued on next page.)

[1] Proprietary information may be submitted separately by the manufacturer or distributor and will be kept confidential.

[2] If necessary, this information may be provided on supplementary attachments.

PART D: SYSTEM AND DISCHARGE DETAILS

23. Provide the hardness of the discharge water.

24. The temperature of the treatment system using the water treatment additive *(Specify ºF or ºC.)* ☐ °F ☐ °C

25. The Blowdown Rate *(MGD)* from the treatment system using the water treatment additive

26. The average flow *(MGD)* of all waste streams being discharged through the affected Outfall

27. The pH of the treatment system using the water treatment additive

PART E: CHEMICAL PROPERTIES / TOXICITY DATA

+ For determining safe concentrations of the water treatment additives, the following information should also be submitted or addressed. Submit the supporting documentation (i.e., Material Safety Data Sheets) as attachments to this application.

28. Toxicity (LC_{50}) of the additive[3]

29. Test species[4]

30. Please explain, or provide attachments to explain, the relation of toxicity to pH.

31. Please explain, or provide attachments to explain the relationship of toxicity to water hardness.

(Continued on next page.)

[3] As determined by ninety-six (96) hour flow through bioassays for fish (preferably fathead minnow *(Pimephales promelas)* or bluegill *(Lepomis macrochirus)* for warmwater species or rainbow trout *(Salmo gairdneri)* for coldwater species) and a forty-eight (48) hour static renewal for invertebrates (preferably of the genera Daphnia or Ceriodaphnia). Testing procedures to determine LC50 values should follow U.S. EPA Guidelines. Static bioassays are acceptable only if the treatment chemical is persistent. The test temperature should be maintained at 20º Celsius (68º Fahrenheit) for coldwater species and at 30º Celsius (86º Fahrenheit) for warmwater species (higher test temperatures are chosen in order to simulate worst case conditions. Lower test temperatures may be used only if the thermal tolerance of the chosen representative aquatic species is below the recommended test temperatures).

[4] The test species selected should be characteristic of the more sensitive representative aquatic species in the receiving stream.

PART E: CHEMICAL PROPERTIES/TOXICITY DATA *(continued)*

+ Product persistence in the environment and N Octanol-Water Partition Coefficient and Bioconcentration Factor (BCF) *(if available)*.

32. Provide the decay rate of the product, if known. This should be stated at a pH level within ½ pH standard unit within the handling system.[5] *(Please provide copies of the sources of this data as attachments to this application.)*

33. Provide any additional information or attach any additional documentation to help in evaluating the use of this water treatment additive.

PART F: SIGNATURE

This information will be reviewed and permission to use the water treatment additive may be granted either by letter, permit limitations, or permit modification, if the discharger has supplied the requested product information and toxicity data that will enable IDEM to establish permissible concentrations in each individual case. If the initial information is not sufficient to allow for the establishment of a safe concentration, additional information will be requested.

Proprietary information regarding the chemical composition of any water treatment additive will be kept confidential in accordance with the terms of 327 IAC 12.1. Claims of confidentiality must be made at the time of submittal; the information must be properly marked, segregated and secured at the time of submittal; and the person or company requesting confidentiality must provide justification as to why the information meets the criteria for it to be maintained as a trade secret, privileged information or confidential in accordance with 327 IAC 12.1

This application should include the following and must be signed by a person in responsible charge to be valid. This signature attests to the following:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly 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.

I swear or affirm, under penalty of perjury as specified by IC 35-44.1-2-1 and other penalties specified by IC 13-30-10 and IC 13-15-7-1(3), that the statements and representations in this ***NOI*** *are true, accurate, and complete.*

_____ _____

(Printed Name) (Title)

_____ _____

(Signature) (Date Signed) *(mm/dd/yyyy)*

Proof of Publication

Page	:	1 of 1 07/13/2026 12:52:57	**Ad Number**	:	50204174
			Ad Key	:	
Order Number	:	60162098	**Salesperson**	:	17 - Kris Lewis
PO Number	:		**Publication**	:	Times-Post
Customer	:	G11222304 APTIM	**Section**	:	60 Notices
Contact	:		**Sub Section**	:	60 Notices
Address1	:	1228 Winter Garden Vineland Rd	**Category**	:	6015 Legals
Address2	:		**Dates Run**	:	07/16/2026-07/16/2026
City St Zip	:	Winter Garden FL 34787	**Days**	:	1
Phone	:	(413) 441-5451	**Size**	:	1 x 4.75, 49 lines
Fax	:		**Words**	:	158
Credit Card	:		**Ad Rate**	:	L-Variance
Printed By	:	Kris Lewis	**Ad Price**	:	88.20
Entered By	:	Kris Lewis	**Amount Paid**	:	0.00
			Amount Due	:	88.20
Keywords	:	Proposed Wawa Store No. 7430			
Notes	:	Austin.Cooney@aptim.com			
Zones	:				

Legal Advertisement

Proposed Wawa Store No. 7430 located at 525 E. State Street, Pendleton, Indiana, is submitting a Notice of Intent to notify the Indiana Department of Environmental Management of our intent to comply with the requirements under National Pollutant Discharge Elimination System (NPDES) general permit ING420000 to discharge non-process wastewater on a temporary (less than 364 consecutive days) basis. This site will discharge wastewater (groundwater) resulting from temporary dewatering activities performed during construction. The receiving water body has been identified as Falls Creek.

The decision to issue coverage under this NPDES general permit for this discharge is appealable per IC 13-15-6. Any person who wants to be informed of IDEM's decision regarding granting or denying coverage to this facility under this NPDES permit, and who wants to be informed of procedures to appeal the decision, may contact IDEM's offices at OWQWWPER@Idem.IN.gov to be placed on a mailing list to receive notification of IDEM's decision.

60162098
TP 07-16-2026

From: PayFabric
To: Cooney, Austin
Subject: Payment notification from AIM Media Indiana
Date: Monday, July 13, 2026 2:45:57 PM

2980 N National Road
Columbus IN 47201

7/13/2026 12:45:16 PM

Transaction ID: 26071314204379

Customer: G11222304 APTIM
Card Holder: [redacted]

Payment Method

Type Credit Card
MasterCard [redacted]
Exp.

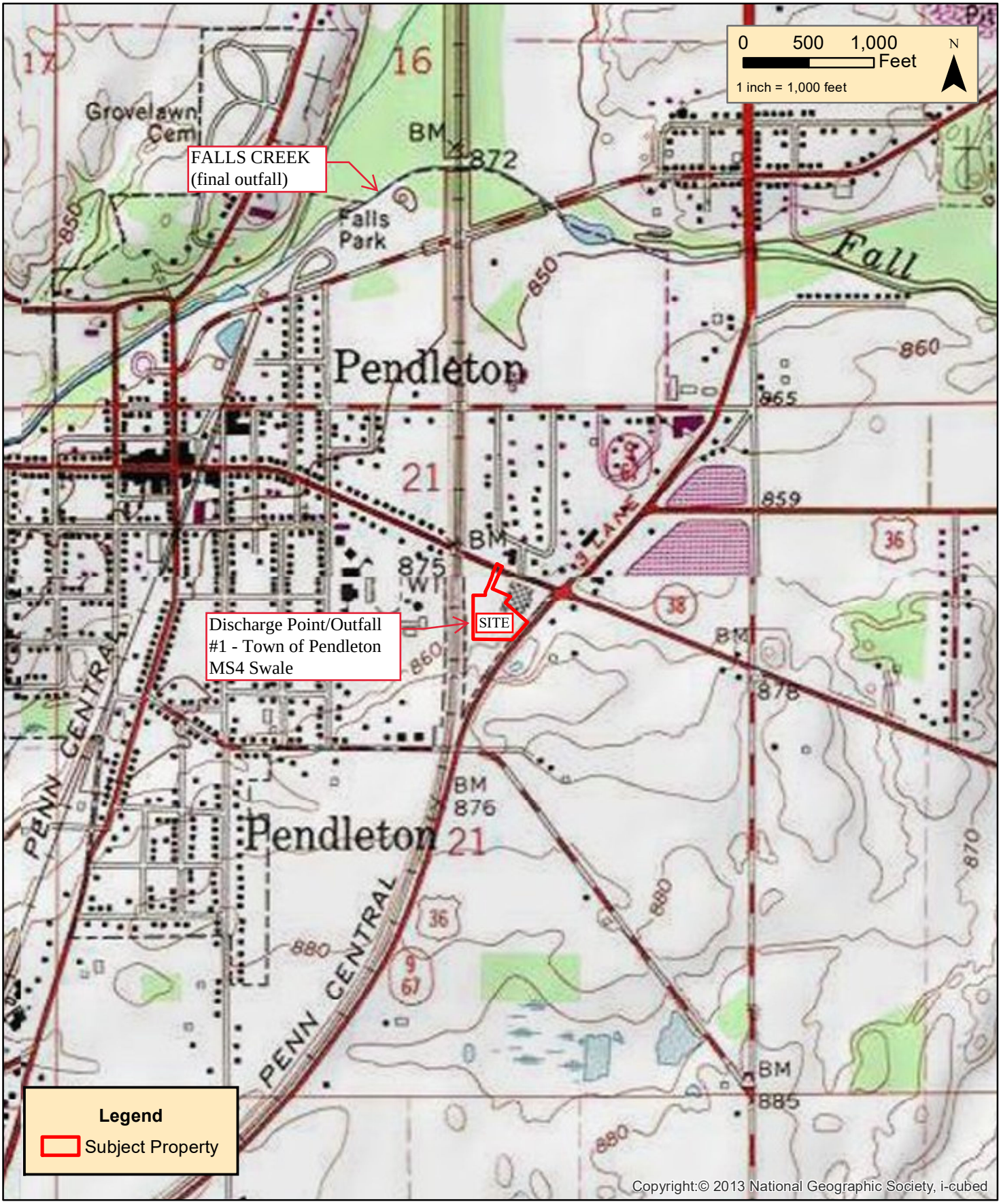
Payment Summary

Description	Amount
Sub Total	$88.20
Tax Amount	$0.00
Total	**$88.20**

Transaction Result

PayFabric Transaction Status	Approved
PayFabric Transaction Message	APPROVED
Gateway Authorization Code	039124
Gateway CVV2 Response Code	NotSet
Gateway Address Response Code	NoMatch
Gateway Zip Response Code	Match

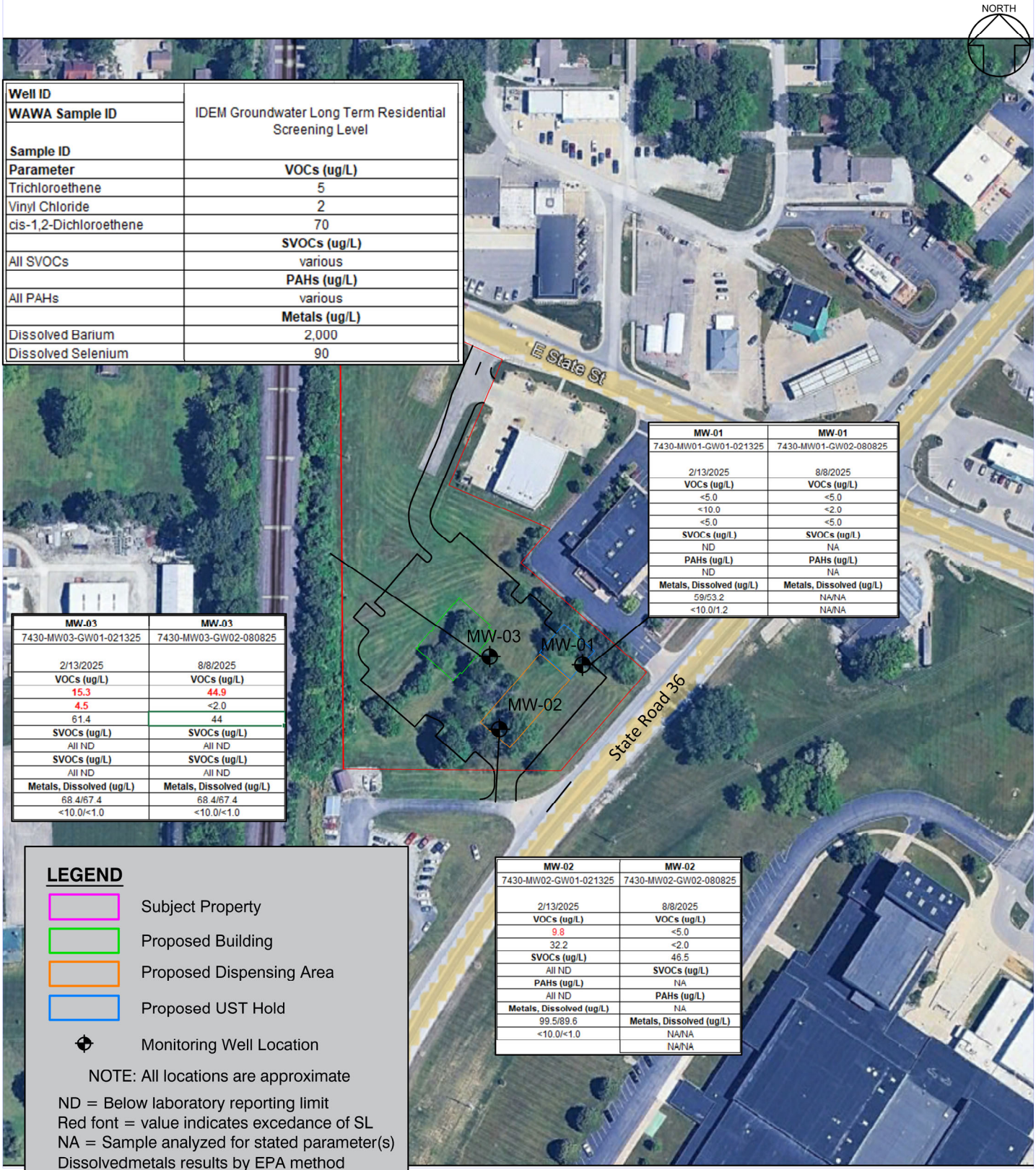
24.1 Topographic Map



REFERENCE: REFERENCE: THE 1981 "ANDERSON SOUTH, IN." AND 1950 "PENDLETON, IN." USGS QUADRANGLES WERE OBTAINED FROM ESRI. THE PRESENTED DATA IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR ANY OTHER USES. PSI ASSUMES NO RESPONSIBILITY FOR ANY DECISIONS MADE OR ANY ACTIONS TAKEN BY THE USER BASED UPON INFORMATION OBTAINED FROM THE ABOVE DATA.

PROJECT NO. 00173285 TWN/RNG/SEC 18N/7E/21 DATE CREATED 10/14/2024	intertek psi Market Access. Risk Mitigation. Total Assurance. 5362 West 78th Street Indianapolis, IN 46268 (317) 876-7723	***PROPOSED WAWA PENDLETON PROPERTY*** STATE ROAD 36 PENDLETON, MADISON COUNTY, INDIANA	FIGURE 1 USGS Topo Map

24. 2 Site Map



Well ID	
WAWA Sample ID	IDEM Groundwater Long Term Residential Screening Level
Sample ID	
Parameter	**VOCs (ug/L)**
Trichloroethene	5
Vinyl Chloride	2
cis-1,2-Dichloroethene	70
	SVOCs (ug/L)
All SVOCs	various
	PAHs (ug/L)
All PAHs	various
	Metals (ug/L)
Dissolved Barium	2,000
Dissolved Selenium	90

MW-01	MW-01
7430-MW01-GW01-021325	7430-MW01-GW02-080825
2/13/2025	8/8/2025
VOCs (ug/L)	VOCs (ug/L)
<5.0	<5.0
<10.0	<2.0
<5.0	<5.0
SVOCs (ug/L)	SVOCs (ug/L)
ND	NA
PAHs (ug/L)	PAHs (ug/L)
ND	NA
Metals, Dissolved (ug/L)	Metals, Dissolved (ug/L)
59/53.2	NA/NA
<10.0/1.2	NA/NA

MW-03	MW-03
7430-MW03-GW01-021325	7430-MW03-GW02-080825
2/13/2025	8/8/2025
VOCs (ug/L)	VOCs (ug/L)
15.3	44.9
4.5	<2.0
61.4	44
SVOCs (ug/L)	SVOCs (ug/L)
All ND	All ND
SVOCs (ug/L)	SVOCs (ug/L)
All ND	All ND
Metals, Dissolved (ug/L)	Metals, Dissolved (ug/L)
68.4/67.4	68.4/67.4
<10.0/<1.0	<10.0/<1.0

MW-02	MW-02
7430-MW02-GW01-021325	7430-MW02-GW02-080825
2/13/2025	8/8/2025
VOCs (ug/L)	VOCs (ug/L)
9.8	<5.0
32.2	<2.0
SVOCs (ug/L)	46.5
All ND	SVOCs (ug/L)
PAHs (ug/L)	NA
All ND	PAHs (ug/L)
Metals, Dissolved (ug/L)	NA
99.5/89.6	Metals, Dissolved (ug/L)
<10.0/<1.0	NA/NA
	NA/NA

LEGEND

- Subject Property
- Proposed Building
- Proposed Dispensing Area
- Proposed UST Hold
- Monitoring Well Location

NOTE: All locations are approximate

ND = Below laboratory reporting limit
Red font = value indicates excedance of SL
NA = Sample analyzed for stated parameter(s)
Dissolvedmetals results by EPA method 6010/EPA method 20D.8

REFERENCE: THE 2024 AERIAL PHOTOGRAPH WAS OBTAINED FROM GOOGLE EARTH. THE PRESENTED DATA IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR OTHER PURPOSES. PSI ASSUMES NO RESPONSIBILITY FOR ANY DECISIONS MADE OR ANY ACTIONS TAKEN BY THE USER BASED UPON INFORMATION OBTAINED FROM THE ABOVE DATA.

PROJECT NO. **00173315**
TWN/RNG/SEC **18N/7E/21**
DATE CREATED **01/14/2026**

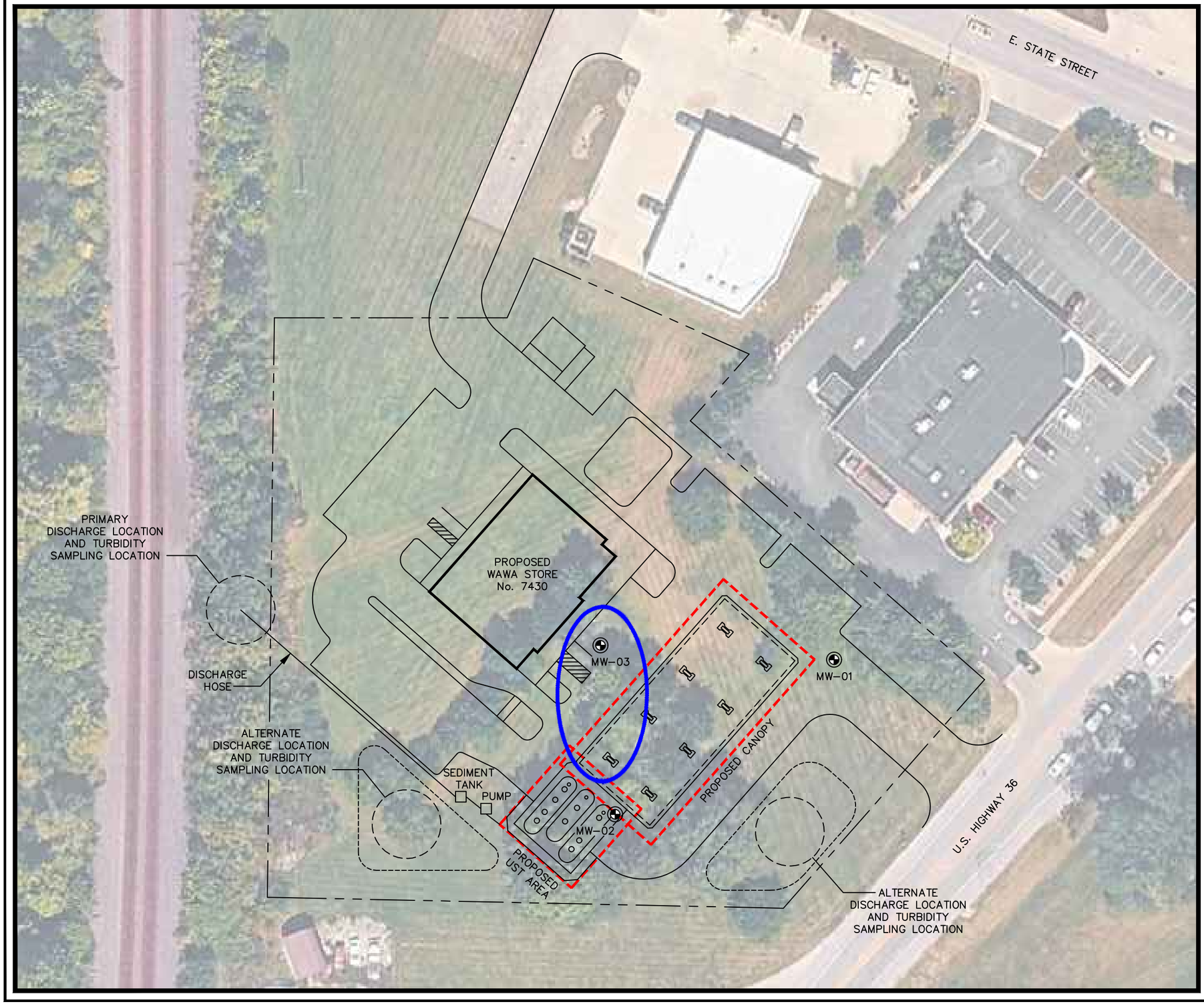
intertek psi
Total Quality. Assured.
5362 West 78th Street, Indianapolis, IN 46268
(317) 876-7723

PROPOSED WAWA PENDLETON PROPERTY

STORE # 7430
EAST STATE STREET AND STATE ROAD 36
PENDLETON, MADISON COUNTY, INDIANA

FIGURE 5
Groundwater Quality Map
Baseline Samples,
Detected Parameters Only

24.3 Flow Schematic Diagram



LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- DEWATERING AREA
- TRICHLOROETHYLENE ABOVE 5 ug/L

NOTE:

THE SEDIMENT TANK WILL BE UTILIZED ONLY IF THE WELL POINT SYSTEM ALONE CANNOT MAINTAIN TURBIDITY BELOW 29 NTUs.

N

SCALE (FEET)

0 60 120

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
725 U.S. HIGHWAY 301 SOUTH
TAMPA, FLORIDA 33619
(813) 612-3600 office

OFFICE:	DATE:	ACAD FILE:
TAMPA	7-7-26	8939B1

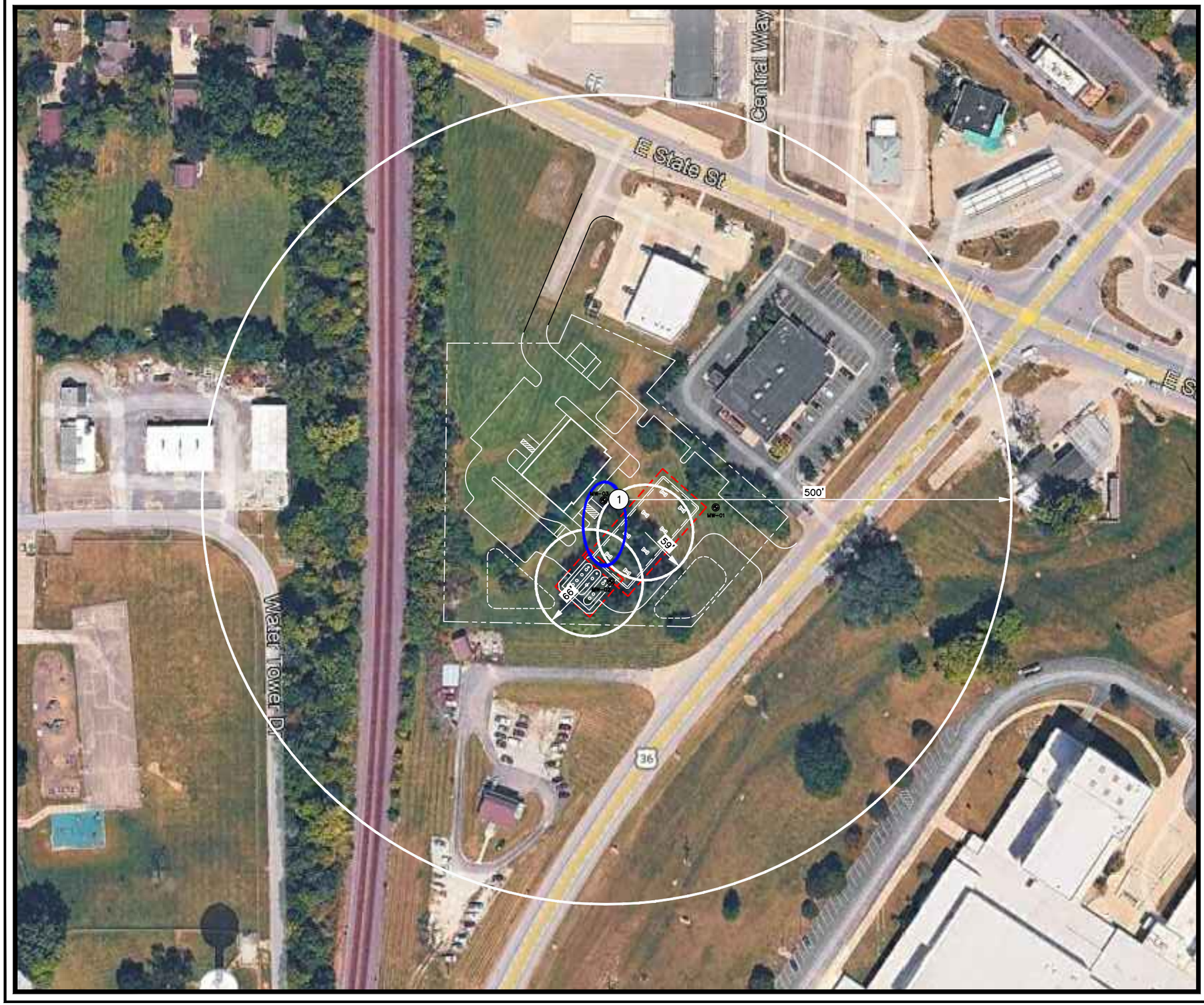
SITE MAP

CLIENT:	PM:
WAWA MIDWEST, LLC	NM

LOCATION:

PROPOSED WAWA STORE No. 7430
525 E. STATE STREET
PENDLETON, MADISON COUNTY, INDIANA

DESIGNED:	DRAWN:	PROJECT NO.:	FIGURE:
AC	SDJF	631052170	1



LEGEND:

APPROXIMATE PROPERTY BOUNDARY

MONITORING WELL LOCATION

DEWATERING AREA

TRICHLOROETHYLENE ABOVE 5 ug/L

(1) PROPOSED WAWA STORE No. 7430 (525 E. STATE STREET)

N

SCALE (FEET)

0 125 250

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
725 U.S. HIGHWAY 301 SOUTH
TAMPA, FLORIDA 33619
(813) 612-3600 office

OFFICE:	DATE:	ACAD FILE:
TAMPA	7-7-26	8939B2

SITE VICINITY MAP - RADIUS OF INFLUENCE

CLIENT:	PM:
WAWA MIDWEST, LLC	NM

LOCATION:

PROPOSED WAWA STORE No. 7430
525 E. STATE STREET
PENDLETON, MADISON COUNTY, INDIANA

DESIGNED:	DRAWN:	PROJECT NO.:	FIGURE:
AC	SDJF	631052170	2

25. Site Inquiry Attachment

PHASE II ENVIRONMENTAL SITE ASSESSMENT

East State Street and State Road 36
Pendleton, Indiana 46064

Proposed Wawa Store No. 7430

January 26, 2026

Prepared For:

Blue Peninsula Real Estate
20411 West 12 Mile Road, Suite 200,
Southfield, Michigan 48076

Prepared By:

Professional Service Industries, Inc. (PSI)
5362 West 78th Street

Indianapolis, IN 46268

Project No: 00173315

EXECUTIVE SUMMARY

Professional Service Industries, Inc.(PSI) was retained by Blue Peninsula Real Estate to complete a Phase II Environmental Site Assessment (ESA) for Wawa Store 7430 located at East State Street and State Road 36 in , Indiana (Site). The Site is approximately 2.89-acres of currently vacant land. Based on the findings of the Phase I ESA report prepared by PSI and review of this report by Wawa's third-party reviewer, Apex Companies, LLC (Apex), the following scope of work was completed to investigate Vapor Encroachment Conditions (VECs) identified and to establish an environmental baseline in accordance with Wawa's Environmental Due Diligence Standards (May 2022).

The scope of this investigation included the following:

- Soil assessment including the installation of soil borings SB01 through SB03;
- Groundwater assessment including the installation of monitoring wells MW01 through MW03; and,
- Soil gas assessment including the installation of SG01/VP01.

The Phase II ESA assessment successfully implemented the scope of work approved by Apex. Three (3) soil borings/monitoring wells SB01/MW01, SB02/MW02, and SB03/MW03 were advanced at the subject property for the purposes of collecting soil and groundwater samples. An additional soil boring, SG1/VP01, was advanced for the purposes of collecting a soil vapor sample.

In one (1) soil sample collected from approximately 7-8 feet below land surface (BLS) in SB01, arsenic was detected at a concentration of 13.5 milligrams per kilogram (mg/Kg). This sample was collected in the planned dispenser area. The detected concentration is above the Indiana Department of Environmental Management (IDEM) Long Term-Residential Screening Level (SL) of 10 mg/Kg, but below the IDEM Long Term Commercial/Industrial SL of 30 mg/Kg and the IDEM Short Term Excavation SL of 900 mg/Kg.

U.S. Environmental Protection Agency (EPA) research has determined that naturally occurring arsenic concentrations from non-impacted areas are between 1 and 40 mg/Kg in soil in Indiana. Groundwater arsenic concentrations up to 30 micrograms per liter (ug/L) were detected in areas with volcanic rocks or sulfide deposits (U.S. EPA 2023). The IDEM has published background arsenic concentrations in soil in the Indianapolis area ranging between 5 and 65 mg/Kg and 2.4 to 94.5 mg/Kg in the rural areas of Indiana (IDEM, 2016). The USGS (2014) has established that some soil horizons in central Indiana appear to increase in arsenic concentrations with depth, with concentrations ranging from 9.2 to 12.2 mg/Kg in the C horizon. In a memo regarding naturally occurring elements in the environment, IDEM has identified that they will not be pursuing corrective action for concentrations exceeding the IDEM SLs. The issue of arsenic and regulatory opinion for its detection/action have also been the subject of discussion on previous Wawa developments.

No other test parameter concentrations were detected above their respective IDEM SLs in the three baseline soil samples collected.

Laboratory results for the three agricultural soil samples collected indicated that no compounds were detected at concentrations that exceeded the IDEM Residential, Commercial/Industrial, or Excavation SLs.

During well installation, the approximate depth to groundwater observed in the borings ranged from approximately 7 feet to 15 feet BLS; however, during the February 2025 well sampling event, the static measured depth to groundwater in the wells ranged between 8.3 and 15.6 feet BLS. Each well contained approximately 10 to 15 feet of saturated thickness during well development activities. All monitoring wells were purged of approximately three (3) well volumes prior to sampling.

Total arsenic detected in the groundwater samples collected from monitoring wells MW01 (planned dispenser area), MW02 (planned UST hold), and MW-03 (planned store area) ranged from 12.7 ug/L to 28.3 micrograms per liter (ug/L), all above the IDEM SL of 10 ug/L, based on laboratory analysis by EPA Method 6010, and was reported at 11.1 ug/L in MW01 and 20.2 ug/L in MW02 based on EPA Method 200.8 analysis. Total lead concentrations for the three wells ranged from 12.2 ug/L to 19.4 ug/L by EPA Method 6010 analysis and ranged from 11.6 ug/L to 20.8 ug/L based on EPA Method 200.8 analysis in all three wells, all of which are above the IDEM SL of 10 ug/L. However, no dissolved (field filtered) metals concentrations were reported above their respective IDEM SLs in the groundwater samples analyzed by both EPA Method 6010 and EPA Method 200.8.

Based on the initial groundwater analytical results for the samples collected in February 2025, PSI returned to the subject site in August 2025 to resample the three monitoring wells for analysis for total arsenic and total lead by EPA Method 200.8. The laboratory analytical report for the resample event identified total arsenic and total lead at concentrations below their respective IDEM SLs in all three monitoring wells.

During the February 2025 groundwater sampling event, trichloroethylene (TCE) was detected in MW02 at 9.8 µg/L, and in MW03 at 15.3 µg/L, both of which are above the IDEM Long Term Residential SL of 5 µg/L. Vinyl chloride was detected in MW03 at a concentration of 4.5 µg/L, which exceeds the IDEM Long Term Residential SL of 2 µg/L.

Based on the February groundwater analytical results, PSI also resampled the three monitoring wells for laboratory analysis for volatile organic compounds (VOCs) in August 2025. The laboratory analytical report for the resample event identified TCE at 44.9 µg/L in the groundwater sample collected from MW03, which exceeds the IDEM Long Term Residential CL of 5 ug/L. However, TCE was not detected in MW02 and vinyl chloride was not detected in MW03 at concentrations above their respective IDEM SLs.

No other test parameters were detected in the groundwater samples at concentrations above their respective SLs.

Vinyl chloride was detected at 13.8 micrograms per cubic meter (ug/m^3) in the soil vapor sample collected from vapor point SV01. The reported concentration is above the IDEM Indoor Air-Residential SL of 2 ug/m^3; however, is below the IDEM Indoor Air-Commercial/Industrial SL of 30 ug/m^3, the IDEM Soil Gas Shallow Exterior-Residential SL of 20 ug/m^3 and the IDEM Soil Gas Shallow Exterior-Commercial SL of 300 ug/m^3.

If soil excavation and/or dewatering with off-site discharge will be performed during site development activities, additional assessment may be required. Based on the results of the soil vapor sampling, it does not appear that vapor mitigation measures would be necessary for the planned site development (i.e., commercial use).

TABLE OF CONTENTS

LIST OF APPENDICES

Phase II Report Checklist - Wawa Specifications	Yes	No	N/A	Comments
Report Prepared by a Wawa Preferred Consultant	✔			
SOW approved prior to work	✔			Approved October 30, 2024
Reliance provided to Wawa	✔			
Field oversight by a P.E. and/or P.G.	✔			
Geophysical Survey completed (if necessary)	✔			
All RECs identified in Phase I ESA are investigated in Phase II			✔	no RECs identified - two VECs addressed
Geoprobe and/or Hollow Stem Auger Drilling Methods used for Soil Borings	✔			
Monitoring Wells - Permanent Construction for Baseline Samples	✔			
Wawa Baseline Groundwater Samples Collected	✔			
Wawa Baseline Soil Samples Collected	✔			
Tier II Vapor Encroachment Screening Completed (if required)	✔			TO-15 analysis of soil gas conducted
Undocumented Fill Sampled (if encountered)			✔	
Wawa-preferred Laboratory used for Analysis	✔			Pace Analytical Services, LLC (Pace)
Samples Analyzed for Correct Suite of Compounds	✔			
Well Top of Casing Elevation Survey Performed	✔			
ARTEMIS Asset Spreadsheet (.xls format)	✔			
Lab Data EDD (.csv format)	✔			
Tables - Soil, Groundwater, Soil Vapor (if applicable)	✔			
Figures - Site Plan with Wawa Features, Sample Location Map, Soil Quality, Groundwater Quality, Groundwater Contour Map, Fill Isopleth (if needed)	✔			
Boring Logs Provided	✔			
Slug Testing (Southeast states with gw <20 ftbg)			✔	

1.0 INTRODUCTION AND BACKGROUND

1.1 INTRODUCTION

Professional Service Industries, Inc. (PSI) was retained by Blue Peninsula Real Estate to conduct a Phase II Environmental Site Assessment (ESA) at proposed Wawa Store No. 7430 located at East State Street and State Road 36, Pendleton, Indiana 46064 (“Site”). The Site consists of a 2.89-acre portion of a 3.83-acre parcel of land (48-14-21-103-006.002-013). A USGS Topo Map depicting the location of the site is provided as **Figure 1** and a Site Plan is provided as **Figure 2**. The surrounding properties are identified on **Figure 3**.

The objectives of the Phase II ESA are summarized below:

The Phase II Scope of Work (SOW) prepared by PSI was approved by Wawa, Inc. (Wawa) in the Phase I ESA Report dated October 16, 2024. Apex, Wawa's representative, approved the change in scope of work involving installing deeper bedrock wells based on the initial field investigation. This work was conducted in accordance with:

- Wawa Phase II Environmental Site Assessment Standards for Ohio Valley States dated May 2022
- American Society for Testing and Materials (ASTM) Practice E1903-11 Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process)
- ASTM E2600-15 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions

The approved Phase II SOW included the following tasks:

- Soil assessment including the installation of soil borings SB01 through SB03;
- Groundwater assessment including the installation of monitoring wells MW01 through MW03; and,
- Soil gas assessment including the installation of SG01/VP01.

1.2 BACKGROUND

Based upon the findings of the Phase I ESA, no RECs/CRECs/HRECS/BERs were identified. The subject property was previously used for agricultural purposes and was vacant during the Phase I and Phase II ESA activities. Two off-site VECs were identified, including a former petroleum underground storage tank (UST) and reported discharge at the adjoining northeast CVS Pharmacy, and current and former petroleum USTs and reported gasoline discharge at the BP/Rickers Petro Mart located further to the northeast.

2.0 LIMITING CONDITIONS AND RELIANCE

2.1 LIMITATIONS AND EXCEPTIONS

The findings of this report represent the professional judgment of PSI and as such, PSI offers or extends no warranty, expressed or implied. These findings are current with the dates of our site work and the information cited herein. The conclusions presented are based on, in part, information from various sources, which PSI has relied on to be accurate and complete. Conclusions and recommendations are based on the data provided, observations, and conditions that existed on the date of the on-site activities. This report should not be relied upon to represent property conditions on other dates or at locations other than those specifically cited within the report. PSI can accept no responsibility for interpretations of these data made by other parties. No ESA can eliminate all uncertainty. Furthermore, any sample, either surface or subsurface, taken for chemical analysis may or may not be representative of a larger population. PSI cannot offer a guarantee the referenced Site contains no hazardous materials, environmental degradation or impacts beyond those detected or observed during the assessment. Professional judgment and interpretation are inherent in the process and uncertainty is inevitable. Additional assessment may be able to reduce uncertainty.

In expressing the opinions stated in this report, PSI has exercised the degree of skill and care ordinarily exercised by a reputable and competent environmental professional in the same area and time frame given the same facts and circumstances. Documentation and data provided by Blue Peninsula Real Estate or other interested parties, or from the public domain, and referred to in the preparation of this assessment, have been used and referenced with the understanding that PSI assumes no responsibility or liability for their accuracy. The information contained in this report, including its conclusions, is based on the information that was made available to PSI during the assessment and upon the services described that were performed. Because the report is based on available information, some of its conclusions could be different if the information upon which it is based is determined to be false, inaccurate, or contradicted by additional information. In addition, boring locations were selected based on the proposed Site layout presented on the concept plans available during the time of completion of the field investigation. PSI is not responsible for changes in the applicability or reliability of the findings of this report due to changes to the proposed Site layout that took place after the date of the field investigation.

2.2 RELIANCE

This report is intended for the sole use of Blue Peninsula Real Estate, Wawa, Inc. and its affiliates. Its contents may not be relied upon by other parties for any purpose without the express written consent of PSI. PSI is not responsible for conclusions drawn by others upon review of the enclosed report. This is not a statement of suitability of the property for any use or purpose.

3.0 GEOPHYSICAL SURVEY

A geophysical survey was completed in January 2025 by GPRS utilizing a ground penetrating radar (GPR) and an electromagnetic (EM) module to survey the area of the planned Phase II ESA subsurface activities.

The purpose of the survey was to locate and identify suspected anomalies such as utilities, piping runs, former tank holds, abandoned tanks, subsurface chambers, concrete pads, buried debris and undocumented fill. No identified structures were noted. The survey was also used to clear the proposed borings/wells. The site was cleared of all vegetation after PSI's Phase I ESA site reconnaissance. There were no appreciable findings from the geophysical survey.

4.0 SOIL QUALITY ASSESSMENT

4.1 SOIL SAMPLING AND COLLECTION METHODOLOGY

The proposed Phase II ESA activities were designed and overseen by Angela Garza, P.E. (Florida) and field activities were conducted by Jeff Timmons, CHMM. The IDEM recognizes the authority of P.E. and CHMM certified individuals to design and conduct site investigations, remedial design, and closure documents.

The soil sample identification numbers were labeled in accordance with Wawa’s Data Management Plan (DMP) for sample nomenclature. A summary of the soil borings and sampling is provided below.

On February 3 and 4, 2025, PSI directed SCS Environmental, Inc. of Fort Wayne, Indiana to complete three (3) soil borings designated as SB01, SB02, and SB03 utilizing a Geoprobe® direct push drill rig. A decontaminated hand auger sampling device was used hand clear the soil borings to approximately 5 feet BLS, and to collect soil samples for agricultural evaluation at sampling locations SB01A through SB03A.

The soil column was screened for organic compounds using a calibrated organic vapor analyzer equipped with a photoionization detector (OVA-PID). No impacts (e.g., free product, odors, staining, elevated OVA-PID readings) were observed during the field investigation. Therefore, in accordance with Wawa specifications, the soil samples were selected from the depth interval corresponding to the location and potential depth of excavation in each area. Soil VOC samples were collected for laboratory analysis by EPA Method 5035A, a field method used for VOCs, using chemical preservation in the field. Soil VOC sample collection was completed as quickly as possible to minimize sample exposure to the atmosphere. Soil samples were collected in a manner to preserve the native soil structure. Soil material to be used for sample dry weight determination was collected for each analytical sample.

Soil sampling equipment was decontaminated using a bucket wash with non-phosphate soap.

The soil samples were collected for laboratory analysis by EPA Method 8260 for VOCs, EPA Method for semi-volatile organic compounds (SVOCs) and polynuclear aromatic hydrocarbons (PAHs), and EPA Method 6010/7471 for Resource Conservation and Recovery Act (RCRA) 8 metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver).

The agricultural soil samples (labeled as SB1A, SB2A and SB3A) were collected from the top foot of soil at each boring and submitted for laboratory analysis by EPA Method 6010/7471 for RCRA 8 metals, EPA Method 8081 for organochlorine pesticides, EPA Method 8151 for chlorinated herbicides, EPA Method 8270 for organophosphate pesticides, EPA SW-846 Method 8260 for ethylene dibromide (EDB) and 1,2-dibromo-3-chloropropane (DBCP), and EPA Method 1633 for per- and polyfluoroalkyl substances (PFAS).

The soil samples were collected into laboratory-supplied containers and were stored in an ice-filled cooler. A chain-of-custody form was prepared in the field and accompanied the samples to document acquisition, possession and requested analyses. Field and trip blanks were analyzed for VOCs. Soil samples were analyzed by Pace Analytical Services, LLC of Indianapolis, Indiana on a standard turnaround time (TAT). Soil quality maps are attached as **Figures 4A** and **Figure 4B** and a summary of soil analytical data is presented on **Table 1A** through **Table 1F**.

Soil Boring and Sampling Summary

Boring Number	Sample ID Number	Sample Interval (feet)	Depth to Water (feet)	PID Reading (ppm)	Total Depth (feet)	Analytical Parameters	Targeted Feature/ REC
SB01	7430-SB01-SL01-020325	7-8	15	0.0	25	TCL VOCs, TCL SVOCs/cPAHs, RCRA 8 metals	UST Area
SB02	7430-SB02-SL01-020325	4-5	7	0.0	16	TCL VOCs, TCL SVOCs/cPAHs, RCRA 8 metals	Dispenser Area

Boring Number	Sample ID Number	Sample Interval (feet)	Depth to Water (feet)	PID Reading (ppm)	Total Depth (feet)	Analytical Parameters	Targeted Feature/ REC
SB03	7430-SB03-SL01-020425	4-5	12-13	0.0	20	TCL VOCs, TCL SVOCs/cPAHs, RCRA 8 metals	Store Area
SB01A	7430 SB01A-SL01-020325	0-1	NA	NA	1	Pesticides, Herbicides, RCRA 8 Metals, EDB, DBCP, PFAS	UST Area
SB02A	7430 SB02A-SL01-020325	0-1	NA	NA	1	Pesticides, Herbicides, RCRA 8 Metals, EDB, DBCP, PFAS	Dispenser Area
SB03A	7430- SB03A SL01-020425	0-1	NA	NA	1	Pesticides, Herbicides, RCRA 8 Metals, EDB, DBCP, PFAS	Store Area

4.2 SOIL LITHOLOGY

Undocumented fill was not observed in any soil borings performed during this Phase II ESA investigation.

- Soil Boring SB01/MW01: Topsoil and brown stiff clay-dominated soils were present from land surface to approximately 4 feet BLS, which contained trace amounts of gravel and is moist. Brownish/ gray poorly graded sand and gravel was observed from approximately 4 to 7.8 feet BLS, and observed to be somewhat wet. A layer of wet white/beige fine sand was observed from approximately 7.8 to 12 feet BLS. Bedrock was encountered at approximately 12 feet BLS.
- Soil Boring SB02/MW02: Topsoil and grayish brown clay-dominated soils were present from land surface to approximately 4.1 feet BLS, which contained trace amounts of gravel and is moist. Beige/ orange sand and gravel that was poorly graded was observed from approximately 4.1 to 7 feet BLS and was moist. Bedrock was encountered at approximately 7 feet BLS.
- Soil Boring SB03/MW03: Topsoil and stiff brownish/gray clay-dominated soils were present from land surface to approximately 4 feet BLS, which contained trace amounts of gravel and is moist. Brown/dark brown poorly graded sand and gravel was observed from approximately 4 to 8 feet BLS. Beige/white fine grained sand was observed from approximately 8 feet to 10 feet BLS. Bedrock was encountered at approximately 10 feet BLS.
- Bedrock in the vicinity of the site consists of the Jeffersonville Limestone of the Devonian Muscatatuck Group.

Additional discussion of the geology and hydrogeology has been provided below in **Section 5.3**.

5.0 GROUNDWATER QUALITY ASSESSMENT

5.1 GROUNDWATER MONITORING WELL INSTALLATION

On February 3 and 4, 2025, PSI directed SCS Environmental, Inc. of Fort Wayne, Indiana to complete three (3) monitoring wells, designated with monitoring well numbers that correspond to their respective borings (SB01/MW01, SB02/MW02, and SB03/MW03) utilizing direct-push and solid flight augers to reach the required depths.

The monitoring wells are constructed of two (2)-inch diameter Schedule 40 polyvinyl chloride (PVC) with 10 feet of 0.020-inch, prepacked, factory slotted screen. The solid PVC well casing was connected to the top of the well screen and brought to approximately 2.8-3.4feet above surface grade. The well screens were set to intersect the groundwater table based on depth to groundwater estimates observed during the soil borings to allow for seasonal fluctuation and groundwater infiltration. Each monitoring well was completed with a locking watertight expandable gripper and keyed pad lock. Following construction, each monitoring well was developed using a mechanical surge block and pumping. Well development continued until discharged water appeared to be free of sediment and field parameters were stabilized within 10% of the previous measurement.

The monitoring well locations are illustrated on **Figure 5**. A Monitoring Well Sampling and Construction Summary is presented in the table below. Well construction logs are presented in **Appendix C**.

Monitoring Well Sampling and Construction Summary

Boring/Well ID	Sample ID	Date Installed	Date Sampled	Depth to Water (ft bgs)	Stickup (ft above grade)	Screen interval (feet)	Analytical Parameters
SB01/MW01	7430-MW01-GW01-021325	2/3/25	2/13/25	~15 during installation (15.6 feet during sampling)	3.42	14.4-24.4	TCL VOCs, TCL SVOCs/ cPAHs, 8 RCRA metals (total & dissolved, by EPA Methods 6010 and 200.8), EDB, DBCP
SB02/MW02	7430-MW02-GW01-021325	2/3/25	2/13/25	~7 during installation (8.32 feet during sampling)	3.09	10.3-20.3	TCL VOCs, TCL SVOCs/ cPAHs, 8 RCRA metals (total & dissolved, by EPA Methods 6010 and 200.8), EDB, DBCP
SB03/MW03	7430-MW03-GW01-021325	2/4/25	2/13/25	12-13 during installation (9.23 feet during sampling)	2.83	9.4-19.4	TCL VOCs, TCL SVOCs/ cPAHs, 8 RCRA metals (total & dissolved, by EPA Methods 6010 and 200.8), EDB, DBCP

Boring/Well ID	Sample ID	Date Installed	Date Sampled	Depth to Water (ft bgs)	Stickup (ft above grade)	Screen interval (feet)	Analytical Parameters
SB01/MW01 (resample)	7430-MW01-GW02-080825	2/3/2025	8/8/25	8.78 (during sampling)	3.42	14.4-24.4	TCL VOCs; Total Arsenic and Lead
SB02/MW02 (resample)	7430-MW02-GW02-080825	2/3/2025	8/8/25	13.42 (during sampling)	3.09	10.3-20.3	TCL VOCs; Total Arsenic and Lead
SB03/ MW03 (resample)	7430-MW03-GW02-080825	2/4/2025	8/8/25	7.95 (during sampling)	2.83	9.4-19.4	TCL VOCs; Total Arsenic and Lead

5.2 GROUNDWATER SAMPLING AND METHODOLOGY

On February 13 and August 8, 2025, PSI collected groundwater samples from MW01 through MW03. Prior to groundwater sampling activities, water level measurements were collected via an electronic water level meter to determine the appropriate purge volumes for each monitoring well.

The groundwater samples were collected in accordance with IDEM guidance using a peristaltic pump. Approximately three (3) well volumes of groundwater were removed from each well at which point, measurement of parameters (pH, temperature, and conductivity) demonstrated stabilization within 10%. Groundwater samples were collected following stabilization of measured field parameters using a Horiba water quality meter.

PSI collected groundwater samples in February 2025 from each monitoring well for laboratory analysis by EPA Method 8260 for VOCs, EPA Method 8270 for SVOCs/cPAHs, EPA Method 6010/7471 for 8 RCRA metals (total and dissolved), and EPA Method 200.8 for 8 RCRA metals (total and dissolved). Based on the laboratory analytical results for the groundwater samples collected in February 2025, PSI returned to the site in August 2025 to resample the three wells. The groundwater samples collected in August 2025 were analyzed for EPA Method 8260 VOCs and EPA Method 200.8 for total arsenic and lead. Field and trip blanks were analyzed for VOCs by EPA Method 8260.

After sample collection, the groundwater samples were transferred to a sample cooler containing ice. A chain-of-custody form was prepared in the field and accompanied the samples to document sample acquisition until final disposition.

Groundwater samples were analyzed by Pace Analytical Services, LLC on a standard TAT. A groundwater quality map is attached as **Figure 5** and a summary of groundwater analytical data is shown in **Table 2A** through **Table 2E**.

The Site was restored to its original condition and residual materials associated with the drilling and sampling activities have been properly disposed.

5.3 GROUNDWATER ELEVATION AND FLOW DIRECTION

On February 13, 2025, depth to groundwater levels were measured from the on-site monitoring wells to determine the direction of groundwater flow at the uppermost saturated zone. The depth to groundwater ranged between approximately 5 to 12 feet BLS. The monitoring wells were surveyed from a USGS benchmark by a professional surveyor to determine top of casing (TOC) elevations with an accuracy of 0.01 feet and according to the USGS datum of 1988. Based on the data collected, the shallow groundwater gradient at the Site was measured to flow in a northeastern direction. Groundwater elevation data is presented in **Table 3** and the groundwater flow direction is presented on **Figure 6**. The horizontal locations of the wells were determined using GPS-capable instruments with sub-meter accuracy and tied into the Site Plan, **Figure 2**.

6.0 ADDITIONAL SERVICES

6.1 SOIL GAS SAMPLING

On February 4, 2025, PSI installed one vapor point to a depth of approximately 4 ft BLS to evaluate soil gas conditions within the footprint of the proposed Wawa store. Summa canisters were used to collect a soil gas sample and an ambient air sample from the subject property on February 11, 2025. The ambient air sample was collected at approximately 3 feet above ground surface. Soil gas sample (7430-VP01-SV01-21125) and ambient air sample (7430-SP02-IA01-21125) were submitted to Pace Analytical Services, LLC for TO-15 analyses. Soil gas sample results for sample 7430-VP01-SV01-21125 contained elevated Vinyl Chloride at 13.8 ug/m^3 above the IDEM residential indoor air screening levels. Confirmation soil gas sampling resumed on February 12, 2026. Soil gas sample 7430-VP01-SV02-21226 results indicated below the IDEM screening levels for all of the TO-15 parameters. Soil vapor sampling locations are shown on **Figure 4C** and analytical data is summarized on **Table 4**.

6.2 INVESTIGATION DERIVED WASTE

Since impacts were not expected, soil cuttings were spread at the Site and purge water was discharged to the ground surface.

6.3 AQUIFER TESTING

Aquifer testing was not performed as part of this assessment.

7.0 FINDINGS

7.1 QUALITY ASSURANCE/QUALITY CONTROL

In accordance with the Wawa standards and as an additional QA/QC measure, trip and field blanks were submitted for the February 2025 soil and groundwater sampling events. The blank samples were submitted to Pace Analytical Services, LLC for laboratory analysis by EPA Method 8260 for VOCs. All laboratory data electronic data deliverables (EDD) will be provided in .csv format along with an Excel ARTEMIS asset table. These files will be submitted separately from the report.

7.2 SOIL SAMPLE RESULTS

Review of the soil analytical data identified the following:

- With the exception of arsenic in Soil Sample 7430-SB01-SL01-020325, no compounds were detected at concentrations that exceeded the IDEM Long Term Default Residential SLs and Commercial/ Industrial Default SLs.

In Soil Sample 7430-SB01-SL01-020325, arsenic was detected at a concentration of 13.4 mg/Kg. This sample was collected at a depth of 7-8 feet BLS. The reported concentration is greater than the IDEM Residential SL of 10 mg/Kg, but below the IDEM Commercial/Industrial SL of 30 mg/Kg. A summary of the soil analytical results is presented in **Tables 1A** through **Table 1F** and soil quality maps are presented on **Figures 4A** and **4B**. Laboratory reports have been provided in **Appendix D**.

7.3 GROUNDWATER SAMPLE RESULTS

Various test parameters were detected in the groundwater samples collected from the three monitoring wells. Review of the groundwater and drinking water analytical data identified the following test parameters at concentrations above IDEM SLs in the groundwater samples collected during the February 2025 sampling event:

Based on the EPA Method 6010 results, total arsenic was detected in the groundwater samples collected from MW01, MW02, and MW03 in February 2025 at concentrations ranging from 12.7 ug/L to 28.3 µg/L, and at concentrations of 11.1 ug/L in MW01 and 20.2 ug/L in MW02 based on EPA Method 200.8 analysis. All of these concentrations exceeded the IDEM Long Term-Residential SL of 10 µg/L. However, the dissolved arsenic concentrations detected by the laboratory (both EPA Methods 6010 and 200.8) were all below the IDEM SL of 10 ug/L. Total lead was detected in the February 2025 groundwater samples collected from the three monitoring wells at concentrations ranging from 12.2 ug/L to 26.8 µg/L based on EPA Method 6010 analysis, and at concentrations ranging from 11.6 ug/L to 20.8 ug/L based on EPA Method 200.8 analysis. These concentrations all exceeded the IDEM Long Term-Residential SL of 10 ug/L.

The laboratory analytical results for the August 2025 resample event identified both total arsenic and lead at concentrations below the IDEM SL of 10 ug/L for all three monitoring wells.

For the February 2025 groundwater samples, TCE was detected in MW02 and MW03 at concentrations of 9.8 µg/L and 15.3 µg/L, respectively, both of which are above the IDEM Long Term-Residential SL of 5 µg/L. Vinyl chloride was detected in MW03 at a concentration of 4.5 µg/L, which exceeds the IDEM Long Term-Residential SL of 2 µg/L.

For the August 2025 resample event, TCE was detected at a concentration of 44.9 ug/L, above its SL of 5 ug/L in MW03. TCE was not detected above its laboratory reporting limit (RL) in the groundwater sample collected from MW02. Vinyl chloride was detected below its IDEM SL in all three groundwater samples collected.

No other test parameters were detected in the groundwater samples collected in February 2025 or August 2025 at concentrations above their respective IDEM SLs.

A summary of groundwater analytical results is presented in **Table 2A** through **Table 2E** and a groundwater quality map is presented on **Figure 5.**

7.4 SOIL GAS SAMPLE RESULTS

Review of the soil gas analytical data identified vinyl chloride at 13.8 ug/m3 in the soil vapor sample SV01, which exceeds its IDEM Indoor Air Residential SL, but was below its IDEM Indoor Air Commercial/Industrial SL, IDEM Soil Gas Shallow Exterior Residential SL, and its IDEM Soil Gas Shallow Exterior Commercial SL. Vinyl chloride was not detected above its laboratory RL in the ambient air sample collected (IA01).

A summary of soil gas analytical results is presented in **Table 4** and on **Figure 4C**.

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 CONCLUSIONS

The Phase II ESA assessment successfully implemented the scope of work approved in the Phase I ESA. Three (3) soil borings/monitoring wells SB01/MW01, SB02/MW02, and SB03/MW03 were advanced at the subject property for the purposes of collecting soil and groundwater samples. An additional soil boring, SG1/VP01, was advanced for the purposes of collecting a soil vapor sample.

In one (1) soil sample collected from approximately 7-8 feet BLS in SB01l, arsenic was detected at a concentration of 13.5 mg/Kg. The detected concentration is above the DEM Long Term-Residential SLs of 10 mg/Kg, but below the IDEM Long Term Commercial/Industrial SL of 30 mg/Kg and the IDEM Short Term Excavation SL of 900 mg/Kg.

EPA research has determined that naturally occurring arsenic concentrations from non-impacted areas are between 1 and 40 mg/Kg in soil in Indiana. Groundwater arsenic concentrations of up to 30 ug/L were detected in areas with volcanic rocks or sulfide deposits (U.S. EPA 2023). The IDEM has published background arsenic concentrations in soil in the Indianapolis area ranging between 5 and 65 mg/Kg and 2.4 to 94.5 mg/Kg in the rural areas of Indiana (IDEM, 2016). The USGS (2014) has established that some soil horizons in central Indiana appear to increase in arsenic concentrations with depth, with concentrations

ranging from 9.2 to 12.2 mg/Kg in the C horizon. In a memo regarding naturally occurring elements in the environment, IDEM has identified that they will not be pursuing corrective action for concentrations exceeding the IDEM SLs. The issue of arsenic and regulatory opinion for its detection/action have also been the subject of discussion on previous Wawa developments.

No other test parameter concentrations were detected above their respective IDEM SLs in the three baseline soil samples collected.

Laboratory results for the three agricultural soil samples collected indicated that no compounds were detected at concentrations that exceeded the IDEM Residential, Commercial/Industrial, or Excavation SLs.

During well installation, the approximate depth to groundwater observed in the borings ranged from approximately 7 feet to 15 feet BLS; however, during the February 2025 well sampling event, the static measured depth to groundwater in the wells ranged between 8.3 and 15.6 feet BLS. Each well contained approximately 10 to 15 feet of saturated thickness during well development activities.

During the February 2025 sampling event, total arsenic concentrations detected in the groundwater samples collected from monitoring wells MW01 (planned dispenser area), MW02 (planned UST hold), and MW-03 (planned store area) ranged from 12.7 ug/L to 28.3 ug/L, all above the IDEM SL of 10 ug/L, based on laboratory analysis by EPA Method 6010, and was reported at 11.1 ug/L in MW01 and 20.2 ug/L in MW02 based on EPA Method 200.8 analysis. Total lead concentrations for the three wells ranged from 12.2 ug/L to 19.4 ug/L by EPA Method 6010 analysis and ranged from 11.6 ug/L to 20.8 ug/L based on EPA Method 200.8 analysis in all three wells, all of which are above the IDEM SL of 10 ug/L. However, no dissolved (field filtered) metals concentrations were reported above their respective IDEM SLs in the groundwater samples analyzed by both EPA Method 6010 and EPA Method 200.8.

Based on the initial groundwater analytical results for the samples collected in February 2025, PSI returned to the subject site in August 2025 to resample the three monitoring wells for analysis for total arsenic and total lead by EPA Method 200.8. The laboratory analytical report for the resample event identified total arsenic and total lead at concentrations below their respective IDEM SLs in all three monitoring wells.

During the February 2025 groundwater sampling event, TCE was detected in MW02 at a concentration of 9.8 µg/L, and in MW03 at a concentration of 15.3 µg/L, both of which are above the IDEM Long Term Residential SL of 5.0 µg/L. Vinyl chloride was detected in MW03 at a concentration of 4.5 µg/L, which exceeds the IDEM Long Term Residential SL of 2.0 µg/L.

Based on the February 2025 groundwater analytical results, PSI also resampled the three monitoring wells for laboratory analysis for VOCs in August 2025 . The laboratory analytical report for the resample event identified TCE a concentration of 44.9 µg/L in the groundwater sample collected from MW03, which exceeds the IDEM Long Term Residential CL of 5 ug/L. However, TCE was not detected in MW02 and vinyl chloride was not detected in MW03 at concentrations above their respective IDEM SLs in the groundwater samples.

No other test parameters were detected in the groundwater samples at concentrations above their respective SLs.

Vinyl chloride was detected at 13.8 ug/m^3 in the soil vapor sample collected from vapor point SV01. The reported concentration is above the IDEM Indoor Air-Residential SL of 2 ug/m^3; however, is below the IDEM Indoor Air-Commercial/Industrial SL of 30 ug/m^3, the IDEM Soil Gas Shallow Exterior-Residential SL of 20 ug/m^3 and the IDEM Soil Gas Shallow Exterior-Commercial SL of 300 ug/m^3. Vinyl chloride was not detected above its laboratory RL in the ambient air sample collected (IA01). Confirmation soil gas sampling resumed on February 12, 2026. Soil gas sample 7430-VP01-SV02-21226 results indicated below the IDEM SLs for all of the TO-15 parameters.

8.2 RECOMMENDATIONS

Based upon the results of this Phase II ESA Report,

- Due to the exceedance of the IDEM SL by arsenic in the soil sample collected from soil boring SB01 at approximately 7-8 feet BLS and the planned excavation depth being greater than the sample depth, PSI recommends that Wawa stage the soil removed from the planned UST excavation and either retest the material for arsenic or dispose of the soil from this area in a permitted landfill.
- Due to the presence of chlorinated compounds in the groundwater, if soil excavation extends below the groundwater table, and/or dewatering with off-site discharge will be performed during site development activities, additional assessment and/or remediation will likely be required.
- Based on the results of the soil vapor sampling, it does not appear that vapor mitigation measures would be necessary for the planned site development (i.e., commercial use).

9.0 ENVIRONMENTAL PROFESSIONALS

Qualifications for PSI personnel responsible for the completion of this report are included in **Appendix F**.

Angela C. Garzia, P.E.
Principal Consultant

Mark R. James, LPG
Senior Geologist

Table 2A
VOC Groundwater Analytical Results

Client: Blue Peninsula
Site: Proposed WaWa Store #7430 - Pendleton
Address: East State Street and State Road 36, Pendleton, Indiana
PSI Project Number: 0017-3315

Parameter / Sample ID	Units	IDEM Groundwater	7430-FB-BK01-021325	7430-TB-BK02-021325	7430-MW01-GW01-021325	7430-MW01-GW02-080825	7430-MW02-GW01-021325	7430-MW02-GW02-080825	7430-MW03-GW01-021325	7430-MW03-GW02-080825
Date Collected		Long Term Residential SL	2/13/2025	2/13/2025	2/13/2025	8/8/2025	2/13/2025	8/8/2025	2/13/2025	8/8/2025
1,1,1,2-Tetrachloroethane	µg/L	6	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	µg/L	200	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	µg/L	0.8	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	µg/L	30	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	µg/L	7	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloropropene	µg/L	NE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,3-Trichlorobenzene	µg/L	7	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,3-Trichloropropane	µg/L	0.008	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	µg/L	70	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	µg/L	60	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane (EDB)	µg/L	0.05	NA	NA	< 0.035	NA	< 0.035	NA	< 0.035	NA
1,2-Dichlorobenzene	µg/L	600	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3,5-Trimethylbenzene	µg/L	60	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	µg/L	NE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichloropropane	µg/L	400	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	µg/L	75	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1-Methylnaphthalene	µg/L	0.06	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2,2-Dichloropropane	µg/L	NE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone (MEK)	µg/L	6,000	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
2-Chlorotoluene	µg/L	200	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hexanone	µg/L	40	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
2-Methylnaphthalene	µg/L	40	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorotoluene	µg/L	300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-Methyl-2-pentanone (MIBK)	µg/L	6,000	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
Acetone	µg/L	20,000	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Acrolein	µg/L	0.04	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
Acrylonitrile	µg/L	0.5	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Benzene	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromobenzene	µg/L	60	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromochloromethane	µg/L	80	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromodichloromethane	µg/L	80	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	µg/L	80	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	µg/L	8	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon disulfide	µg/L	800	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Carbon tetrachloride	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	µg/L	100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	µg/L	8,000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	µg/L	80	< 10.0	< 5.0	< 5.0	< 5.0	< 12.9	< 12.9	< 12.9	< 12.9
Chloromethane	µg/L	200	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Table 2A
VOC Groundwater Analytical Results

Client: Blue Peninsula
Site: Proposed WaWa Store #7430 - Pendleton
Address: East State Street and State Road 36, Pendleton, Indiana
PSI Project Number: 0017-3315

Parameter / Sample ID	Units	IDEM Groundwater	7430-FB-BK01-021325	7430-TB-BK02-021325	7430-MW01-GW01-021325	7430-MW01-GW02-080825	7430-MW02-GW01-021325	7430-MW02-GW02-080825	7430-MW03-GW01-021325	7430-MW03-GW02-080825
Date Collected		Long Term Residential SL	2/13/2025	2/13/2025	2/13/2025	8/8/2025	2/13/2025	8/8/2025	2/13/2025	8/8/2025
Dibromochloromethane	µg/L	80	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dibromomethane	µg/L	8	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dichlorodifluoromethane	µg/L	200	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethyl methacrylate	µg/L	600	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Ethylbenzene	µg/L	700	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Hexachloro-1,3-butadiene	µg/L	1	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Iodomethane	µg/L	NE	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Isopropylbenzene (Cumene)	µg/L	500	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-tert-butyl ether	µg/L	100	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Methylene Chloride	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	µg/L	1	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Styrene	µg/L	100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/L	1,000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	**9.8**	< 5.0	**15.3**	**44.9**
Trichlorofluoromethane	µg/L	5,000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl acetate	µg/L	400	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
Vinyl chloride	µg/L	2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**4.5**	< 2.0
Xylene (Total)	µg/L	10,000	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
cis-1,2-Dichloroethene	µg/L	70	< 5.0	< 5.0	< 5.0	< 5.0	32.2	46.5	61.4	44.0
cis-1,3-Dichloropropene	µg/L	NE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
n-Butylbenzene	µg/L	1,000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
n-Hexane	µg/L	2,000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
n-Propylbenzene	µg/L	700	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p-Isopropyltoluene	µg/L	20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
sec-Butylbenzene	µg/L	2,000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
tert-Butylbenzene	µg/L	700	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	µg/L	100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	µg/L	NE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,4-Dichloro-2-butene	µg/L	0.01	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
1,2-Dibromo-3-chloropropane	µg/L	0.2	NA	NA	< 0.035	NA	< 0.035	NA	< 0.035	NA

Notes:

VOC = Volatile Organic Compound.

IDEM = Indiana Department of Environmental Management.

SL = Screening Levels as published in IDEM's Risk-Based Closure Guide (R2) Published Level Table 1, effective March 28, 2025.

µg/L = Milligrams per Liter, or parts per billion (ppm).

< = Not detected above the reporting limit (RL).

Bold = Detected Above Long Term Residential SL.

NE = Limit Not Established at this time.

NA = Sample not analyzed for stated test parameter.

Due to limited sample volumes collected, method limitations, or higher concentrations of other compounds, the detection limit may be raised to greater than the SL.

Table 2B
SVOC Groundwater Analytical Results

Client: Blue Peninsula
Site: Proposed WaWa Store #7430 - Pendleton
Address: East State Street and State Road 36, Pendleton, Indiana
PSI Project Number: 0017-3315

Parameter / Sample ID Date	Units	IDEM Groundwater Long Term Residential SL	7430-MW01-GW01-021325 2/13/2025	7430-MW02-GW01-021325 2/13/2025	7430-MW03-GW01-021325 2/13/2025
2,4,5-Trichlorophenol	µg/L	1,000	< 9.1	< 9.1	< 9.1
2,4,6-Trichlorophenol	µg/L	10	< 9.1	< 9.1	< 9.1
2,4-Dichlorophenol	µg/L	50	< 9.1	< 9.1	< 9.1
2,4-Dimethylphenol	µg/L	400	< 9.1	< 9.1	< 9.1
2,4-Dinitrophenol	µg/L	40	< 45.5	< 45.5	< 45.5
2,4-Dinitrotoluene	µg/L	2	< 9.1	< 9.1	< 9.1
2,6-Dinitrotoluene	µg/L	0.5	< 9.1	< 9.1	< 9.1
2-Chloronaphthalene	µg/L	800	< 9.1	< 9.1	< 9.1
2-Chlorophenol	µg/L	90	< 9.1	< 9.1	< 9.1
2-Methylphenol(o-Cresol)	µg/L	900	< 9.1	< 9.1	< 9.1
2-Nitroaniline	µg/L	200	< 9.1	< 9.1	< 9.1
2-Nitrophenol	µg/L	NE	< 9.1	< 9.1	< 9.1
3&4-Methylphenol(m&p-Cresol)	µg/L	NE	< 9.1	< 9.1	< 9.1
3,3'-Dichlorobenzidine	µg/L	1	< 18.2	< 18.2	< 18.2
3-Nitroaniline	µg/L	NE	< 9.1	< 9.1	< 9.1
4,6-Dinitro-2-methylphenol	µg/L	2	< 18.2	< 18.2	< 18.2
4-Bromophenylphenyl ether	µg/L	NE	< 9.1	< 9.1	< 9.1
4-Chloro-3-methylphenol	µg/L	1,000	< 9.1	< 9.1	< 9.1
4-Chloroaniline	µg/L	4	< 9.1	< 9.1	< 9.1
4-Chlorophenylphenyl ether	µg/L	NE	< 9.1	< 9.1	< 9.1
4-Nitroaniline	µg/L	40	< 9.1	< 9.1	< 9.1
4-Nitrophenol	µg/L	NE	< 45.5	< 45.5	< 45.5
Benzyl alcohol	µg/L	2,000	< 9.1	< 9.1	< 9.1
Butylbenzylphthalate	µg/L	200	< 9.1	< 9.1	< 9.1
Di-n-butylphthalate	µg/L	900	< 9.1	< 9.1	< 9.1
Di-n-octylphthalate	µg/L	200	< 9.1	< 9.1	< 9.1
Dibenzofuran	µg/L	8	< 9.1	< 9.1	< 9.1
Diethylphthalate	µg/L	20,000	< 9.1	< 9.1	< 9.1
Dimethylphthalate	µg/L	NE	< 9.1	< 9.1	< 9.1
Hexachloro-1,3-butadiene	µg/L	1	< 9.1	< 9.1	< 9.1
Hexachlorobenzene	µg/L	1	< 9.1	< 9.1	< 9.1
Hexachlorocyclopentadiene	µg/L	50	< 9.1	< 9.1	< 9.1
Hexachloroethane	µg/L	3	< 9.1	< 9.1	< 9.1
Isophorone	µg/L	800	< 9.1	< 9.1	< 9.1
N-Nitroso-di-n-propylamine	µg/L	0.1	< 45.5	< 45.5	< 45.5
N-Nitrosodiphenylamine	µg/L	100	< 9.1	< 9.1	< 9.1
Nitrobenzene	µg/L	1	< 9.1	< 9.1	< 9.1
Pentachlorophenol	µg/L	1	< 45.5	< 45.5	< 45.5
Phenol	µg/L	6,000	< 9.1	< 9.1	< 9.1
Pyridine	µg/L	20	< 9.1	< 9.1	< 9.1
bis(2-Chloroethoxy)methane	µg/L	60	< 9.1	< 9.1	< 9.1
bis(2-Chloroethyl) ether	µg/L	0.1	< 9.1	< 9.1	< 9.1
bis(2-Ethylhexyl)phthalate	µg/L	6	< 9.1	< 9.1	< 9.1
bis(2chloro1methylethyl) ether	µg/L	700	< 9.1	< 9.1	< 9.1

Notes:

SVOC = Semi-volatile organic compound.
IDEM = Indiana Department of Environmental Management.
SL = Screening Levels as published in IDEM's Risk-Based Closure Guide (R2) Published Level Table 1, effective March 28, 2025.
µg/L = Milligrams per Liter, or parts per billion (ppm).

< = Not detected above the reporting limit (RL).
NE = Limit Not Established at this time.
Due to limited sample volumes collected, method limitations, or higher concentrations of other compounds, the detection limit may be raised to greater than the SL.

Table 2C
PAH Groundwater Analytical Results

Client: Blue Peninsula
Site: Proposed WaWa Store #7430 - Pendleton
Address: East State Street and State Road 36, Pendleton, Indiana
PSI Project Number: 0017-3315

Parameter / Sample ID	Units	IDEM Groundwater	7430-MW01-GW01-021325	7430-MW02-GW01-021325	7430-MW03-GW01-021325
Date		Long Term Residential SL	2/13/2025	2/13/2025	2/13/2025
1-Methylnaphthalene	µg/L	0.06	< 0.91	< 0.91	< 0.91
2-Methylnaphthalene	µg/L	40	< 0.91	< 0.91	< 0.91
Acenaphthene	µg/L	500	< 0.91	< 0.91	< 0.91
Acenaphthylene	µg/L	NE	< 0.91	< 0.91	< 0.91
Anthracene	µg/L	2,000	< 0.091	< 0.091	< 0.091
Benzo(a)anthracene	µg/L	0.3	< 0.091	< 0.091	< 0.091
Benzo(a)pyrene	µg/L	0.2	< 0.091	< 0.091	< 0.091
Benzo(b)fluoranthene	µg/L	3	< 0.091	< 0.091	< 0.091
Benzo(g,h,i)perylene	µg/L	NE	< 0.091	< 0.091	< 0.091
Benzo(k)fluoranthene	µg/L	30	< 0.091	< 0.091	< 0.091
Chrysene	µg/L	300	< 0.45	< 0.45	< 0.45
Dibenz(a,h)anthracene	µg/L	0.3	< 0.091	< 0.091	< 0.091
Fluoranthene	µg/L	800	< 0.91	< 0.91	< 0.91
Fluorene	µg/L	300	< 0.91	< 0.91	< 0.91
Indeno(1,2,3-cd)pyrene	µg/L	3	< 0.091	< 0.091	< 0.091
Naphthalene	µg/L	1	< 0.91	< 0.91	< 0.91
Phenanthrene	µg/L	NE	< 0.91	< 0.91	< 0.91
Pyrene	µg/L	100	< 0.91	< 0.91	< 0.91

Notes:

PAH = Polycyclic Aromatic Hydrocarbon.

IDEM = Indiana Department of Environmental Management.

SL = Screening Levels as published in IDEM's Risk-Based Closure Guide (R2) Published Level Table 1, effective March 28, 2025.

µg/L = Milligrams per Liter, or parts per billion (ppm).

< = Not detected above the reporting limit (RL).

NE = Limit Not Established at this time.

Due to limited sample volumes collected, method limitations, or higher concentrations of other compounds, the detection limits may be raised to greater than the SL.

Table 2D
RCRA 8 Metals Groundwater Analytical Results - EPA Method 6010

Client: Blue Peninsula
Site: Proposed WaWa Store #7430 - Pendleton
Address: East State Street and State Road 36, Pendleton, Indiana
PSI Project Number: 0017-3315

Parameter / Sample ID Date Collected	Units	IDEM Groundwater Long Term Residential SL	7430-MW01-GW01-021325 2/13/2025	7430-MW02-GW01-021325 2/13/2025	7430-MW03-GW01-021325 2/13/2025
Total Arsenic	µg/L	10	**12.7**	**28.3**	**15.6**
Total Barium	µg/L	2,000	157	222	116
Total Cadmium	µg/L	5	< 2.0	< 2.0	< 2.0
Total Chromium	µg/L	20,000	31.0	27.7	18.9
Total Lead	µg/L	10	**19.4**	**26.8**	**12.2**
Total Mercury	µg/L	50	< 0.20	< 0.20	< 0.20
Total Selenium	µg/L	90	< 10.0	< 10.0	< 10.0
Total Silver	µg/L	2	< 10.0	< 10.0	< 10.0

Parameter / Sample ID Date Collected	Units	IDEM Groundwater Long Term Residential SL	7430-MW01-GW01-021325 2/13/2025	7430-MW02-GW01-021325 2/13/2025	7430-MW03-GW01-021325 2/13/2025
Dissolved Arsenic	µg/L	10	< 10.0	< 10.0	< 10.0
Dissolved Barium	µg/L	2,000	52.9	99.5	68.4
Dissolved Cadmium	µg/L	5	< 2.0	< 2.0	< 2.0
Dissolved Chromium	µg/L	20,000	< 10.0	< 10.0	< 10.0
Dissolved Lead	µg/L	10	< 10.0	< 10.0	< 10.0
Dissolved Mercury	µg/L	50	< 0.20	< 0.20	< 0.20
Dissolved Selenium	µg/L	90	< 10.0	< 10.0	< 10.0
Dissolved Silver	µg/L	2	< 10.0	< 10.0	< 10.0

Notes:
RCRA 8 Metals = Resource Conservation and Recovery Act 8 Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver).
IDEM = Indiana Department of Environmental Management.
SL = Screening Levels as published in IDEM's Risk-Based Closure Guide (R2) Published Level Table 1, effective March 28, 2025.
µg/L = Milligrams per Liter, or parts per billion (ppm).
< = Not detected above the reporting limit (RL).
NE = Limit Not Established at this time.
Due to limited sample volumes collected, method limitations, or higher concentrations of other compounds, the detection limit may be raised to greater than the SL.

Table 2E
RCRA 8 Metals Drinking Water Analytical Results - EPA Method 200.8

Client: Blue Peninsula
Site: Proposed WaWa Store #7430 - Pendleton
Address: East State Street and State Road 36, Pendleton, Indiana
PSI Project Number: 0017-3315

Parameter / Sample ID Date Collected	Units	IDEM Groundwater Long Term Residential SL	7430-MW01-GW01-021325 2/13/2025	7430-MW01-GW02-080825 8/8/2025	7430-MW02-GW01-021325 2/13/2025	7430-MW02-GW02-080825 8/8/2025	7430-MW03-GW01-021325 2/13/2025	7430-MW03-GW02-080825 8/8/2025
Total Arsenic	µg/L	10	**11.1**	1.6	**20.2**	1.8	10.0	3.0
Total Barium	µg/L	2,000	144	NA	193	NA	107	NA
Total Cadmium	µg/L	5	< 1.0	NA	< 1.0	NA	0.22	NA
Total Chromium	µg/L	20,000	21.2	NA	16.6	NA	12.1	NA
Total Lead	µg/L	10	**18.4**	1.6	**20.8**	< 1.0	**11.6**	2.0
Total Mercury	µg/L	50	< 2.0	NA	< 2.0	NA	< 2.0	NA
Total Selenium	µg/L	90	5.2	NA	< 5.0	NA	3.6	NA
Total Silver	µg/L	2	< 2.5	NA	< 2.5	NA	< 0.50	NA

Parameter / Sample ID Date Collected	Units	IDEM Groundwater Long Term Residential SL	7430-MW01-GW01-021325 2/13/2025	7430-MW01-GW02-080825 8/8/2025	7430-MW02-GW01-021325 2/13/2025	7430-MW02-GW02-080825 8/8/2025	7430-MW03-GW01-021325 2/13/2025	7430-MW03-GW02-080825 8/8/2025
Dissolved Arsenic	µg/L	10	< 1.0	NA	< 1.0	NA	< 1.0	NA
Dissolved Barium	µg/L	2,000	53.2	NA	89.6	NA	67.4	NA
Dissolved Cadmium	µg/L	5	< 0.20	NA	< 0.20	NA	< 0.20	NA
Dissolved Chromium	µg/L	20,000	< 2.0	NA	< 2.0	NA	< 2.0	NA
Dissolved Lead	µg/L	10	< 1.0	NA	< 1.0	NA	< 1.0	NA
Dissolved Mercury	µg/L	50	< 2.0	NA	< 2.0	NA	< 2.0	NA
Dissolved Selenium	µg/L	90	1.2	NA	< 1.0	NA	< 1.0	NA
Dissolved Silver	µg/L	2	< 0.50	NA	< 0.50	NA	< 0.50	NA

Notes:
RCRA 8 Metals = Resource Conservation and Recovery Act 8 Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver).
IDEM = Indiana Department of Environmental Management.
SL = Screening Levels as published in IDEM's Risk-Based Closure Guide (R2) Published Level Table 1, effective March 28, 2025.
µg/L = Milligrams per Liter, or parts per billion (ppm).
< = Not detected above the reporting limit (RL).
NE = Limit Not Established at this time.
NA = Sample not analyzed for stated test parameter.
Bold = Detected Above IDEM Groundwater - Long Term Residential SL.
Due to limited sample volumes collected, method limitations, or higher concentrations of other compounds, the detection limit may be raised to greater than the SL.

APTIM
725 US Highway 301 St
Tampa, Florida 33619
Tel: 813 612 3600

APTIM

July 7, 2026

Indiana Department of Environmental Management
Central Office
100 N. Senate Avenue
Indianapolis, Indiana 46204

Subject: **NPDES Generic Permit – Best Management Practices and Monitoring Plan**
Dewatering Plan for UST System, Dispenser Sumps, Canopy Footers, and Piping
Wawa Store No. 7430
525 East State Street
Pendleton, Madison County, Indiana 46064

To Whom It May Concern:

Aptim Environmental and Infrastructure, LLC (APTIM), on behalf of Wawa Midwest, LLC (Wawa), is submitting this Dewatering Plan to the Indiana Department of Environmental Management (IDEM) for approval to discharge into the City of Pendleton's Municipal Separate Storm Sewer System (MS4). APTIM has authorization to request permits on behalf of Wawa; the Limited Authorization Agreement is included as **Attachment A**. The requested permit should be issued to:

Mr. Joseph Standen, Jr.
Senior Environmental Manager
Wawa Midwest, LLC
260 W. Baltimore Pike
Wawa, PA 19063
Joseph.Standen@wawa.com

Background

The subject property, which will be leased by Wawa and operated as a convenience store with retail gasoline facilities, is identified as parcels identified within Madison County Appraiser records as Parcel ID 48-14-21-103-006.002-013. The facility lies within Section 21 of Township 18 North and Range 7 East, at latitude 39°59'56.30" N and longitude 85°44'12.60" W. A Site Map is included as **Figure 1**.

Wawa is planning to redevelop the site in August 2026. Depending on the water table elevation at the time of site development, it is anticipated dewatering will be needed during the installation of the underground storage tanks (USTs), fuel dispenser sumps, product piping, and canopy footers as shown on **Figure 1**. Approval from the IDEM and the Town of Pendleton is required for the offsite discharge of groundwater into the stormwater system from the dewatering operation(s) during development of the site.

Dewatering Setup

Dewatering is expected to occur within 90 days of receipt of all required permits for the installation of the USTs, fuel dispenser sumps, product piping, and canopy footers. The dewatering operation will be online for 24 hours per day, per dewatering event. The groundwater produced will be monitored and discharged into the Town of Pendleton MS4 culvert located along the western site boundary, as shown on **Figure 1**. The final outfall for the MS4 is Falls Creek.

The UST contractor will install well points inside and outside the sheet piling around the UST area, then reuse the well points around open-cut trenching for the fuel dispenser sumps, product piping, and canopy footers excavations as a means of dewatering in order to depress the water table and provide a safe and "dry" environment for the UST system and canopy footer installation activities (**Figure 1**). Well points utilized during UST construction are typically constructed of 15 feet of solid two-inch diameter polyvinyl chloride (PVC) riser threaded to three feet of slotted PVC screen in order to draw the water table to approximately 18 feet below land surface. The well points are installed on three sides of the UST excavation to allow access for excavation equipment. For the fuel dispenser sumps, product piping, and canopy footers excavations, the well points will be reused and installed to a depth to draw down the water table to approximately 8 feet below land surface. A header pipe will connect the well points to an eight-inch vacuum pump (or equivalent) which then directs the effluent into the designated discharge location via a flat-laying hose. Alternative methods of discharge, such as a trash pump or a submersible pump, may be utilized if groundwater conditions allow for such methods.

The recovered groundwater will be routed to a portable air stripper for treatment prior to discharge into the proposed culvert via a flat-laying hose. If conditions require the hose to cross a sidewalk, an ADA-compliant ramp will be utilized to protect the hose and keep the sidewalk open and safe for pedestrians. A dewatering flow rate of 31 gallons per minute (gpm) is anticipated during the UST installation activities and 2 gpm during the fuel dispenser sumps, product piping, and canopy footers installation activities, as calculated on **Table 1a** and **Table 1b**. If a significant rain event is encountered at the site during construction, then the dewatering activities will cease temporarily, continuing once the storm has passed.

Contaminated Locations within 500-Feet of Subject Site (and/or Dewatering Radius of Influence)

Groundwater contamination from an unknown historical source was identified during due diligence site assessment activities. The onsite contamination is discussed further below. Based on results using Sichardt's equation (**Table 1a** and **Table 1b**) the equivalent radius-of-influence (ROI) for dewatering during the installation of the USTs is 66 feet; the equivalent ROI during installation of the fuel dispenser sumps, product piping, and canopy footers is 59 feet. Our research indicates there are no facilities with open discharges located within the calculated ROIs or within 500-feet of the site, as shown on **Figure 2**. Information for the subject property is summarized in the following table:

Contaminated Site	FDEP Facility ID No.	Contaminant Type	Distance from Dewatering Location to Contaminated Plume
Subject Property – Proposed Wawa Store No. 7430 525 East State Street, Pendleton, IN 46064	N/A	Chlorinated VOC	N/A

- The subject property is located at 525 East State Street, Pendleton, Madison County, Indiana 46064. Phase II Environmental Site Assessment activities conducted in February 2025 at the site identified trichloroethylene (TCE) concentrations of 9.8 µg/L and 15.3 µg/L in monitoring wells MW02 and MW03, respectively. The IDEM Long Term Residential SL is 5 µg/L. Resampling of monitoring wells in August 2025 did not detect TCE in MW02, but confirmed the presence of TCE in MW03 at a concentration of 44.9 µg/L. The most recent groundwater analytical data are included in **Attachment B**.

Best Management Practices and Monitoring Plan

Upon dewatering system startup, Wawa, or their designated contractor, will direct the UST contractor to place the effluent hose back into the excavation for discharge. After one hour of system run time, Wawa, or their designated contractor, will collect an effluent sample and submit it to a National Environmental Laboratory Accreditation Conference laboratory for analysis, with a rush verbal turnaround time. Upon laboratory confirmation that the sample is below screening target levels (Table 3 of the IDEM Permit), dewatering activities will commence, with effluent being discharged at the proposed location. APTIM proposes that the dewatering effluent be monitored to ensure it meets all effluent requirements.

For each day of dewatering, Wawa, or their designated contractor, will collect twice daily turbidity readings, at least four-hours apart, to confirm turbidity is kept below 29 NTUs. The samples will be collected at the discharge location. A log of daily turbidity measurements will be kept onsite for the duration of dewatering activities along with daily measurements of the flow rate in gallons per day.

The use of a well point system typically reduces the effluent turbidity to less than 29 Nephelometric Turbidity Units (NTUs). However, should the well point system alone not keep turbidity below 29 NTUs or an alternative discharge method be utilized, additional turbidity control measures will be utilized prior to discharge of the effluent into the designated discharge location.

APTIM, on behalf of Wawa, requests that this facility be issued a NPDES permit. If you have any questions regarding this dewatering plan or the permit application, please contact us at (413) 441-5451 or austin.cooney@aptim.com or Nathan Miller at (813) 612-3642 or nathan.miller@aptim.com.

Sincerely,
Aptim Environmental & Infrastructure, LLC.

Austin Cooney
Environmental Scientist

Nathan Miller
Project Management Sr. Lead

Attachments:
Tables
Figures
Attachment A – Limited Authorization Agreement
Attachment B – Subject Site Documents & Groundwater Data

TABLES

Dewatering System Calculations TABLE 1A

SUBJECT SITE: Wawa Store 7430

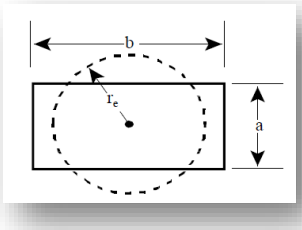
COMPONENT: Underground Storage Tanks

Radius of Influence

Total head of the water table aquifer (H)	100	ft	Depth to water	5	ft bls
	30.5	m			
Desired drawdown	13	ft	Depth to water (dewatered)	18	ft bls
	4.0	m			
Total head of the dewatered aquifer (h)	87	ft	h = H - drawdown		
	26.5	m			
Hydraulic conductivity (K)	0.2835	ft/day			
	0.000001	m/s			
Radius of influence (R_O)	**12**	**m**	Using Sichardt's equation - $R_O = 3000(H-h)\sqrt{K}$		
	39	**ft**			

Effective Radius of Influence

Width of area to dewater (a)	45.6	ft
	13.9	m
Length of area to dewater (b)	51	ft
	15.5	m
Effective radius of influence (r_e)	**8.293**	**m**
	27	**ft**



$$r_e = \sqrt{\frac{ab}{\pi}}$$

Total Radius of Influence

Radius of influence (R_O)	39	ft	
Effective radius of influence (r_e)	27	ft	
Total radius of influence (R_T)	**66**	**ft**	$R_T = R_O + r_e$

Dewatering Flow Rate

Total flow rate	0.00197	m3/sec	$q = (H^2 - h^2)*(3.1416*k)/(\ln R_O - \ln r_e)$
	31	**gpm**	
	44,971	**gpd**	
	449,712	**gal/10 days**	
	899,424	**gal/20 days**	

$$H^2 - h^2 = \frac{n \cdot q}{\pi \cdot k}(\ln R_o - \ln r_e)$$

Dewatering System Calculations TABLE 1B

SUBJECT SITE: Wawa Store 7430

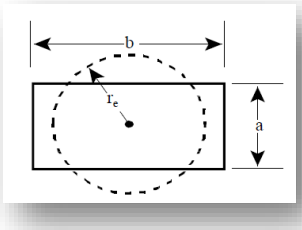
COMPONENT: Dispenser Sumps, Fuel Piping, and Canopy footers

Radius of Influence

Total head of the water table aquifer (H)	100	ft	Depth to water	5	ft bls
	30.5	m			
Desired drawdown	3	ft	Depth to water (dewatered)	8	ft bls
	0.9	m			
Total head of the dewatered aquifer (h)	97	ft	h = H - drawdown		
	29.6	m			
Hydraulic conductivity (K)	0.2835	ft/day			
	0.000001	m/s			
Radius of influence (R_O)	**3**	**m**	Using Sichardt's equation - $R_O = 3000(H-h)\sqrt{K}$		
	9	**ft**			

Effective Radius of Influence

Width of area to dewater (a)	60	ft
	18.3	m
Length of area to dewater (b)	130	ft
	39.6	m
Effective radius of influence (r_e)	**15.187**	**m**
	50	**ft**



$$r_e = \sqrt{\frac{ab}{\pi}}$$

Total Radius of Influence

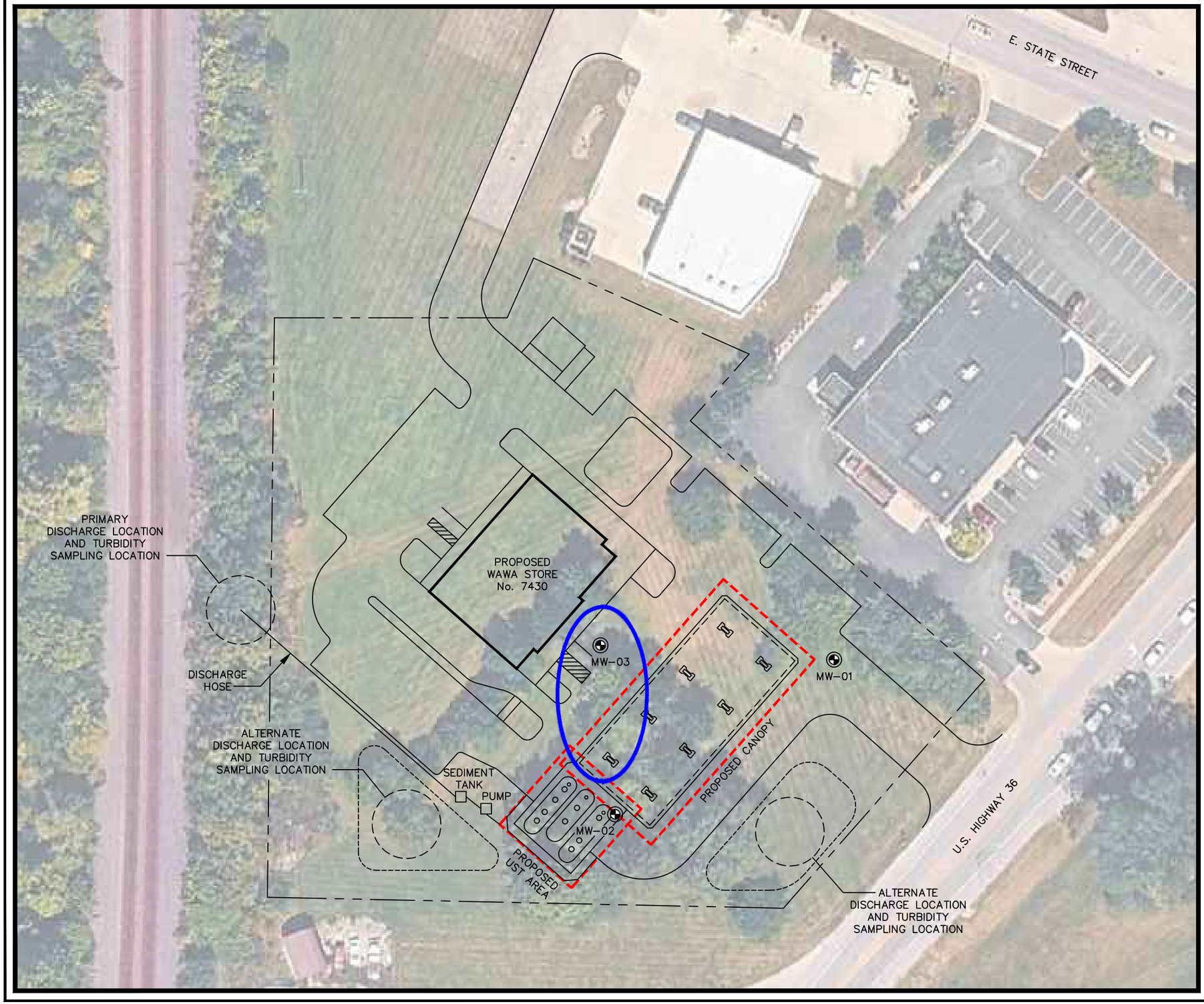
Radius of influence (R_O)	9	ft	
Effective radius of influence (r_e)	50	ft	
Total radius of influence (R_T)	**59**	**ft**	$R_T = R_O + r_e$

Dewatering Flow Rate

Total flow rate	-0.00010	m3/sec	$q = (H^2 - h^2)*(3.1416*k)/(\ln R_O - \ln r_e)$
	2	**gpm**	Based on trendline analysis
	2,880	**gpd**	
	28,800	**gal/10 days**	
	57,600	**gal/20 days**	

$$H^2 - h^2 = \frac{n \cdot q}{\pi \cdot k}(\ln R_o - \ln r_e)$$

FIGURES



LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- DEWATERING AREA
- TRICHLOROETHYLENE ABOVE 5 ug/L

NOTE:

THE SEDIMENT TANK WILL BE UTILIZED ONLY IF THE WELL POINT SYSTEM ALONE CANNOT MAINTAIN TURBIDITY BELOW 29 NTUs.

N

SCALE (FEET)

0 60 120

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
725 U.S. HIGHWAY 301 SOUTH
TAMPA, FLORIDA 33619
(813) 612-3600 office

OFFICE:	DATE:	ACAD FILE:
TAMPA	7-7-26	8939B1

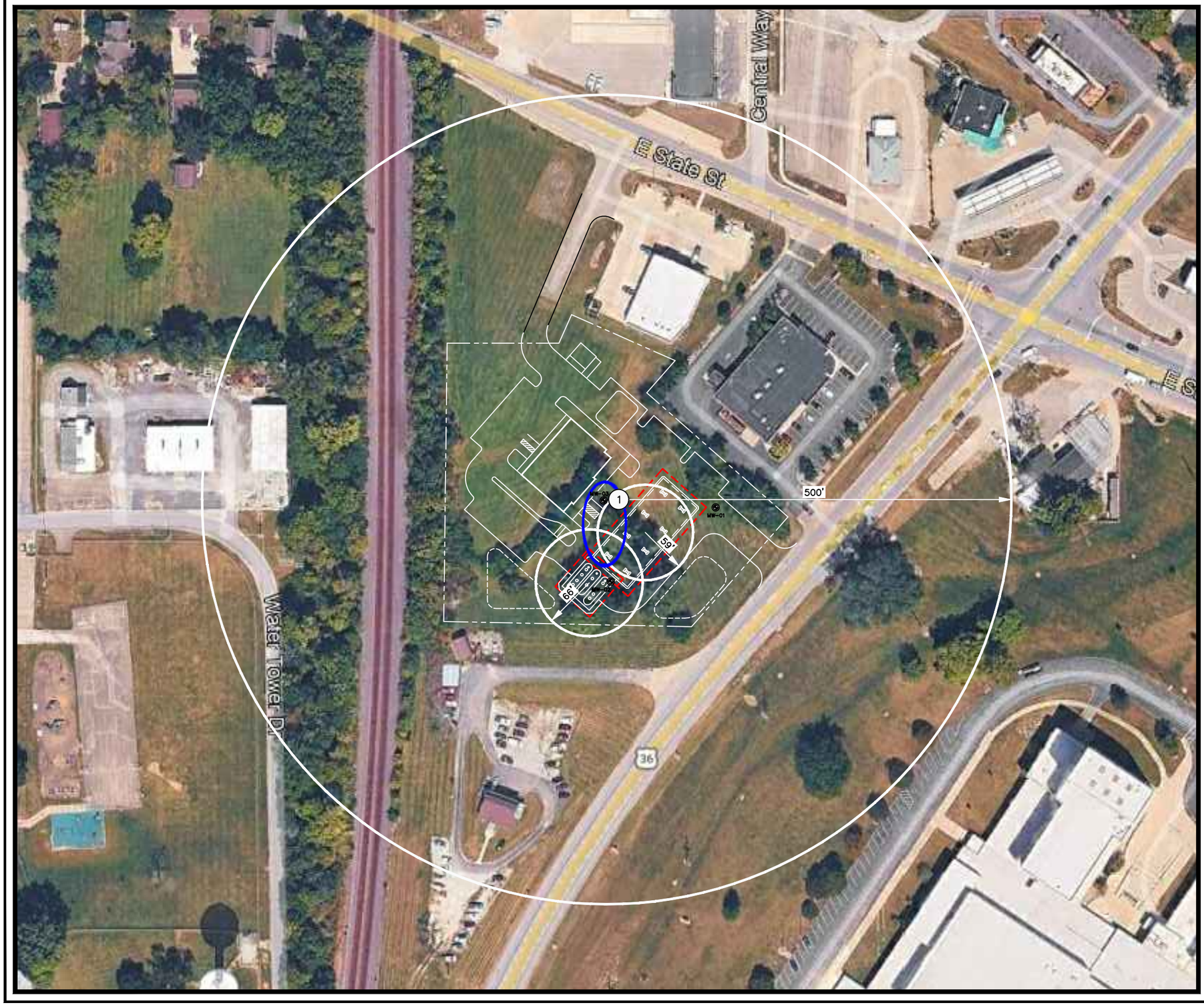
SITE MAP

CLIENT:	PM:
WAWA MIDWEST, LLC	NM

LOCATION:

PROPOSED WAWA STORE No. 7430
525 E. STATE STREET
PENDLETON, MADISON COUNTY, INDIANA

DESIGNED:	DRAWN:	PROJECT NO.:	FIGURE:
AC	SDJF	631052170	1



LEGEND:

APPROXIMATE PROPERTY BOUNDARY

MONITORING WELL LOCATION

DEWATERING AREA

TRICHLOROETHYLENE ABOVE 5 ug/L

(1) PROPOSED WAWA STORE No. 7430 (525 E. STATE STREET)

N

SCALE (FEET)

0 125 250

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
725 U.S. HIGHWAY 301 SOUTH
TAMPA, FLORIDA 33619
(813) 612-3600 office

OFFICE:	DATE:	ACAD FILE:
TAMPA	7-7-26	8939B2

SITE VICINITY MAP - RADIUS OF INFLUENCE

CLIENT:	PM:
WAWA MIDWEST, LLC	NM

LOCATION:

PROPOSED WAWA STORE No. 7430
525 E. STATE STREET
PENDLETON, MADISON COUNTY, INDIANA

DESIGNED:	DRAWN:	PROJECT NO.:	FIGURE:
AC	SDJF	631052170	2

ATTACHMENT A
Limited Authorization Agreement

LIMITED AUTHORIZATION AGREEMENT

Wawa Florida, LLC ("Wawa Florida"), a Delaware limited liability company, acting by and through Michael J. Eckhardt Vice President and Secretary, does hereby nominate, constitute and appoint Aptim Environmental and Infrastructure, Inc. ("Aptim" or "Agent"), a Louisiana corporation, as a limited agent of Wawa Florida, for purposes of executing and delivering certain instruments and documents as more particularly described on Attachment 1, and does hereby grant, delegate and invest said Agent with power and authority to execute and deliver for, in the name of, and on behalf of Wawa Florida, and in connection with that certain Services Agreement by and between Wawa Florida and Agent, dated as of May 25, 2016 (as heretofore or hereafter amended, the "Agreement"), the instruments and documents listed in Attachment 1 hereto.

Agent may only exercise the power and authority herein granted, delegated and invested in any particular and appropriate transaction or matter, as an agent of Wawa Florida. Any instruments and documents executed and delivered by Agent under this Limited Authorization Agreement shall be acts of Wawa Florida and may be relied upon by third parties dealing with Wawa Florida, such as acts being hereby ratified and confirmed by virtue hereof. Agent shall deliver all instruments and documents that Agent desires to execute and deliver under this Limited Authorization Agreement to Wawa Florida for review and approval prior to, and promptly following, execution and delivery of such instruments and documents.

Any and all acts of Agent hereunder shall comply with all applicable federal, sta te and local laws regulations, rules and ordinances and with all applicable orders of any courts of competent jurisdiction.

Wawa Florida further acknowledges and agrees that the agency relationship created under this Limited Authorization Agreement does not constitute an agreement to arrange for transport, treatment, or disposal of hazardous substances under Section 107 of CERCLA, or any state analog thereof, as amended.

This Limited Authorization Agreement shall expire upon the expirations or earlier termination of the Agreement, except as otherwise provided therein, or may be terminated at any time upon written notice to Agent for any reason by Wawa Florida.

APPROVED AND EXECUTED this 6th day of ~~September~~ October, 2017, to be effective as of ~~September~~ October 6th, 2017.

ATTEST:

Assistant Secretary

Wawa Florida, LLC

By: _____

Name: Michael ECKHARDT

Title: Vice President - Chief Legal Officer and Secretary

Aptim Environmental and Infrastructure, Inc.

By: _____

Name: Cindi B. Lee

Title: Director

STATE OF Pennsylvania

COUNTY OF Delaware

BEFORE ME, the undersigned, A Notary Public in and for the County and State aforesaid, on this day personally appeared Michael J. Eckhardt and Katherine J. Dickinson, Vice President and Secretary and Assistant Secretary, respectively, of Wawa Florida, LLC, known to me to be the persons whose names are subscribed to the foregoing instruments, and acknowledge to me that the same was the act of the said corporation, a Delaware limited liability company, and that they executed the same as the act of such corporation for the purposes and consideration therein expressed and in the capacities therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this 6th day of October, 2017.

Karon C Hardy

NOTARY –PUBLIC

My Commission Expires:

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Karon C. Hardy, Notary Public
Chester Heights Boro, Delaware County
My Commission Expires Sept. 19, 2019
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

ATTACHMENT 1

(THIS ATTACHMENT 1 MAY BE REVISED ONLY UPON MUTUAL AGREEMENT OF WAWA FLORIDA AND AGENT, INCLUDING, WITHOUT LIMITATION, TO ADD OR DELETE DOCUMENTATION SUBJECT TO THIS LIMITED AUTHORIZATION AGREEMENT)

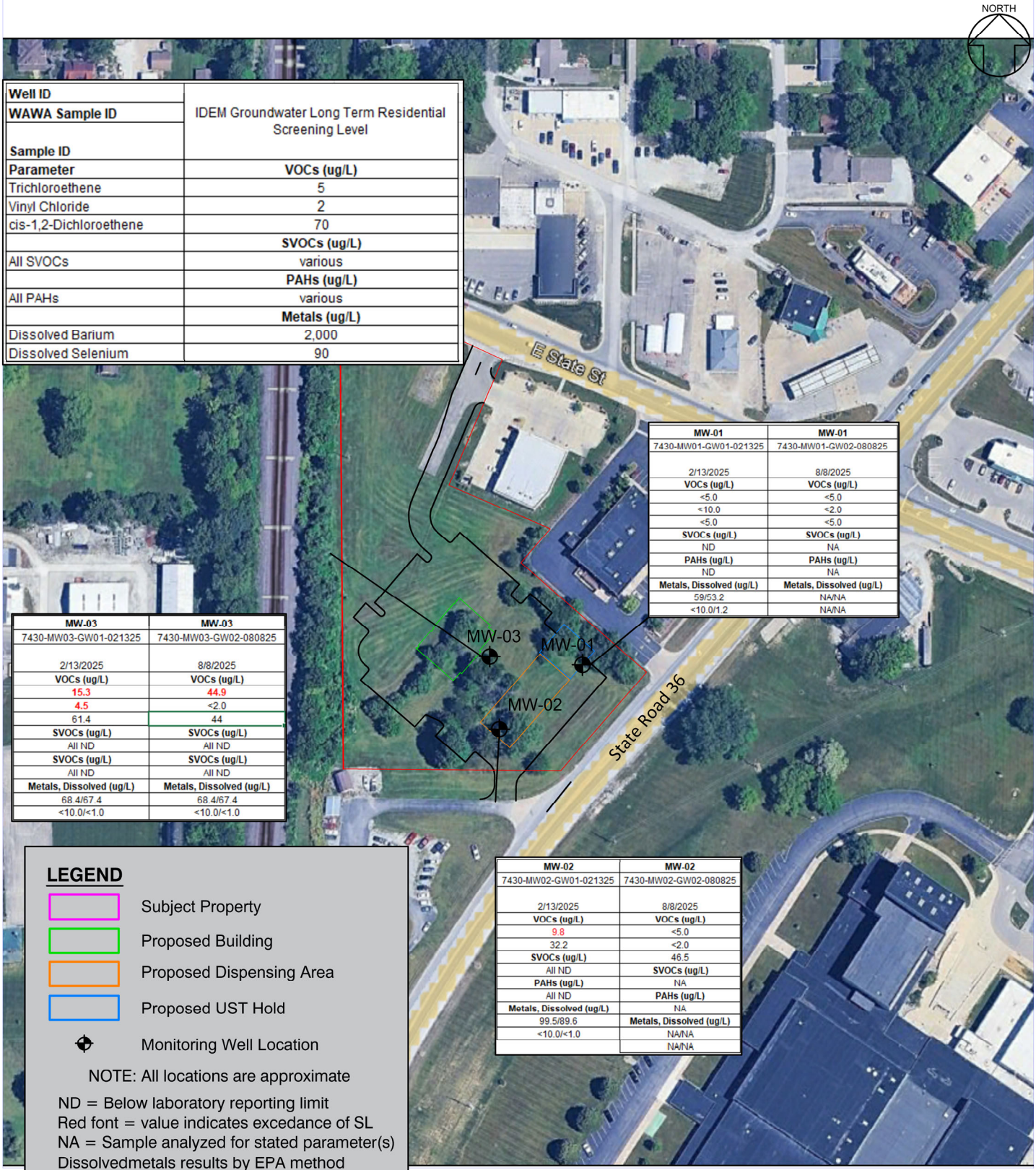
Such de-watering permits, applications and documentation issued by any federal, state or local governmental authority, and such other standard de-watering form documentation provided by Wawa Florida or third parties to be completed in connection with Agent's performance of environmental consulting services pursuant to the Agreement, which shall include the following:

a. De-watering Permit Applications, Notices and other documents relating to the investigation, monitoring or remediation work performed under the Agreement, as more particularly described on Exhibit A of the Agreement.

Provided, however, that in each case, the foregoing authorization shall not extend to any permits, reports, applications or other documentation that contain (i) any language, the effect of which is to require Wawa Florida to indemnify, defend and/or hold harmless any third party for any act of omission of any kind; or (ii) any statement of any kind, including, without limitation, any representation or warranty, which Agent does not personally know to be true and correct, including without limitation, any representation concerning the legal existence or financial condition of Wawa Florida.

ATTACHMENT B

Subject Site Historical & Groundwater Data



Well ID	
WAWA Sample ID	IDEM Groundwater Long Term Residential Screening Level
Sample ID	
Parameter	**VOCs (ug/L)**
Trichloroethene	5
Vinyl Chloride	2
cis-1,2-Dichloroethene	70
	SVOCs (ug/L)
All SVOCs	various
	PAHs (ug/L)
All PAHs	various
	Metals (ug/L)
Dissolved Barium	2,000
Dissolved Selenium	90

MW-01	MW-01
7430-MW01-GW01-021325	7430-MW01-GW02-080825
2/13/2025	8/8/2025
VOCs (ug/L)	VOCs (ug/L)
<5.0	<5.0
<10.0	<2.0
<5.0	<5.0
SVOCs (ug/L)	SVOCs (ug/L)
ND	NA
PAHs (ug/L)	PAHs (ug/L)
ND	NA
Metals, Dissolved (ug/L)	Metals, Dissolved (ug/L)
59/53.2	NA/NA
<10.0/1.2	NA/NA

MW-03	MW-03
7430-MW03-GW01-021325	7430-MW03-GW02-080825
2/13/2025	8/8/2025
VOCs (ug/L)	VOCs (ug/L)
15.3	44.9
4.5	<2.0
61.4	44
SVOCs (ug/L)	SVOCs (ug/L)
All ND	All ND
SVOCs (ug/L)	SVOCs (ug/L)
All ND	All ND
Metals, Dissolved (ug/L)	Metals, Dissolved (ug/L)
68.4/67.4	68.4/67.4
<10.0/<1.0	<10.0/<1.0

MW-02	MW-02
7430-MW02-GW01-021325	7430-MW02-GW02-080825
2/13/2025	8/8/2025
VOCs (ug/L)	VOCs (ug/L)
9.8	<5.0
32.2	<2.0
SVOCs (ug/L)	46.5
All ND	SVOCs (ug/L)
PAHs (ug/L)	NA
All ND	PAHs (ug/L)
Metals, Dissolved (ug/L)	NA
99.5/89.6	Metals, Dissolved (ug/L)
<10.0/<1.0	NA/NA
	NA/NA

LEGEND

- Subject Property
- Proposed Building
- Proposed Dispensing Area
- Proposed UST Hold
- Monitoring Well Location

NOTE: All locations are approximate

ND = Below laboratory reporting limit
Red font = value indicates excedance of SL
NA = Sample analyzed for stated parameter(s)
Dissolvedmetals results by EPA method 6010/EPA method 20D.8

REFERENCE: THE 2024 AERIAL PHOTOGRAPH WAS OBTAINED FROM GOOGLE EARTH. THE PRESENTED DATA IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR OTHER PURPOSES. PSI ASSUMES NO RESPONSIBILITY FOR ANY DECISIONS MADE OR ANY ACTIONS TAKEN BY THE USER BASED UPON INFORMATION OBTAINED FROM THE ABOVE DATA.

PROJECT NO. **00173315**
TWN/RNG/SEC **18N/7E/21**
DATE CREATED **01/14/2026**

intertek psi
Total Quality. Assured.
5362 West 78th Street, Indianapolis, IN 46268
(317) 876-7723

PROPOSED WAWA PENDLETON PROPERTY

STORE # 7430
EAST STATE STREET AND STATE ROAD 36
PENDLETON, MADISON COUNTY, INDIANA

FIGURE 5
Groundwater Quality Map
Baseline Samples,
Detected Parameters Only

Table 2A
VOC Groundwater Analytical Results

Client: Blue Peninsula
Site: Proposed WaWa Store #7430 - Pendleton
Address: East State Street and State Road 36, Pendleton, Indiana
PSI Project Number: 0017-3315

Parameter / Sample ID	Units	IDEM Groundwater	7430-FB-BK01-021325	7430-TB-BK02-021325	7430-MW01-GW01-021325	7430-MW01-GW02-080825	7430-MW02-GW01-021325	7430-MW02-GW02-080825	7430-MW03-GW01-021325	7430-MW03-GW02-080825
Date Collected		Long Term Residential SL	2/13/2025	2/13/2025	2/13/2025	8/8/2025	2/13/2025	8/8/2025	2/13/2025	8/8/2025
1,1,1,2-Tetrachloroethane	µg/L	6	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	µg/L	200	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	µg/L	0.8	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	µg/L	30	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	µg/L	7	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloropropene	µg/L	NE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,3-Trichlorobenzene	µg/L	7	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,3-Trichloropropane	µg/L	0.008	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	µg/L	70	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	µg/L	60	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane (EDB)	µg/L	0.05	NA	NA	< 0.035	NA	< 0.035	NA	< 0.035	NA
1,2-Dichlorobenzene	µg/L	600	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3,5-Trimethylbenzene	µg/L	60	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	µg/L	NE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichloropropane	µg/L	400	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	µg/L	75	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1-Methylnaphthalene	µg/L	0.06	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2,2-Dichloropropane	µg/L	NE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Butanone (MEK)	µg/L	6,000	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
2-Chlorotoluene	µg/L	200	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hexanone	µg/L	40	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
2-Methylnaphthalene	µg/L	40	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorotoluene	µg/L	300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-Methyl-2-pentanone (MIBK)	µg/L	6,000	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0
Acetone	µg/L	20,000	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Acrolein	µg/L	0.04	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
Acrylonitrile	µg/L	0.5	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Benzene	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromobenzene	µg/L	60	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromochloromethane	µg/L	80	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromodichloromethane	µg/L	80	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	µg/L	80	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	µg/L	8	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon disulfide	µg/L	800	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Carbon tetrachloride	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	µg/L	100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	µg/L	8,000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	µg/L	80	< 10.0	< 5.0	< 5.0	< 5.0	< 12.9	< 12.9	< 12.9	< 12.9
Chloromethane	µg/L	200	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Table 2A
VOC Groundwater Analytical Results

Client: Blue Peninsula
Site: Proposed WaWa Store #7430 - Pendleton
Address: East State Street and State Road 36, Pendleton, Indiana
PSI Project Number: 0017-3315

Parameter / Sample ID	Units	IDEM Groundwater	7430-FB-BK01-021325	7430-TB-BK02-021325	7430-MW01-GW01-021325	7430-MW01-GW02-080825	7430-MW02-GW01-021325	7430-MW02-GW02-080825	7430-MW03-GW01-021325	7430-MW03-GW02-080825
Date Collected		Long Term Residential SL	2/13/2025	2/13/2025	2/13/2025	8/8/2025	2/13/2025	8/8/2025	2/13/2025	8/8/2025
Dibromochloromethane	µg/L	80	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dibromomethane	µg/L	8	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dichlorodifluoromethane	µg/L	200	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethyl methacrylate	µg/L	600	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Ethylbenzene	µg/L	700	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Hexachloro-1,3-butadiene	µg/L	1	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Iodomethane	µg/L	NE	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Isopropylbenzene (Cumene)	µg/L	500	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl-tert-butyl ether	µg/L	100	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Methylene Chloride	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	µg/L	1	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Styrene	µg/L	100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/L	1,000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	µg/L	5	< 5.0	< 5.0	< 5.0	< 5.0	**9.8**	< 5.0	**15.3**	**44.9**
Trichlorofluoromethane	µg/L	5,000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl acetate	µg/L	400	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
Vinyl chloride	µg/L	2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**4.5**	< 2.0
Xylene (Total)	µg/L	10,000	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
cis-1,2-Dichloroethene	µg/L	70	< 5.0	< 5.0	< 5.0	< 5.0	32.2	46.5	61.4	44.0
cis-1,3-Dichloropropene	µg/L	NE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
n-Butylbenzene	µg/L	1,000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
n-Hexane	µg/L	2,000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
n-Propylbenzene	µg/L	700	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p-Isopropyltoluene	µg/L	20	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
sec-Butylbenzene	µg/L	2,000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
tert-Butylbenzene	µg/L	700	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	µg/L	100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	µg/L	NE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
trans-1,4-Dichloro-2-butene	µg/L	0.01	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
1,2-Dibromo-3-chloropropane	µg/L	0.2	NA	NA	< 0.035	NA	< 0.035	NA	< 0.035	NA

Notes:

VOC = Volatile Organic Compound.

IDEM = Indiana Department of Environmental Management.

SL = Screening Levels as published in IDEM's Risk-Based Closure Guide (R2) Published Level Table 1, effective March 28, 2025.

µg/L = Milligrams per Liter, or parts per billion (ppm).

< = Not detected above the reporting limit (RL).

Bold = Detected Above Long Term Residential SL.

NE = Limit Not Established at this time.

NA = Sample not analyzed for stated test parameter.

Due to limited sample volumes collected, method limitations, or higher concentrations of other compounds, the detection limit may be raised to greater than the SL.

Table 2B
SVOC Groundwater Analytical Results

Client: Blue Peninsula
Site: Proposed WaWa Store #7430 - Pendleton
Address: East State Street and State Road 36, Pendleton, Indiana
PSI Project Number: 0017-3315

Parameter / Sample ID Date	Units	IDEM Groundwater Long Term Residential SL	7430-MW01-GW01-021325 2/13/2025	7430-MW02-GW01-021325 2/13/2025	7430-MW03-GW01-021325 2/13/2025
2,4,5-Trichlorophenol	µg/L	1,000	< 9.1	< 9.1	< 9.1
2,4,6-Trichlorophenol	µg/L	10	< 9.1	< 9.1	< 9.1
2,4-Dichlorophenol	µg/L	50	< 9.1	< 9.1	< 9.1
2,4-Dimethylphenol	µg/L	400	< 9.1	< 9.1	< 9.1
2,4-Dinitrophenol	µg/L	40	< 45.5	< 45.5	< 45.5
2,4-Dinitrotoluene	µg/L	2	< 9.1	< 9.1	< 9.1
2,6-Dinitrotoluene	µg/L	0.5	< 9.1	< 9.1	< 9.1
2-Chloronaphthalene	µg/L	800	< 9.1	< 9.1	< 9.1
2-Chlorophenol	µg/L	90	< 9.1	< 9.1	< 9.1
2-Methylphenol(o-Cresol)	µg/L	900	< 9.1	< 9.1	< 9.1
2-Nitroaniline	µg/L	200	< 9.1	< 9.1	< 9.1
2-Nitrophenol	µg/L	NE	< 9.1	< 9.1	< 9.1
3&4-Methylphenol(m&p-Cresol)	µg/L	NE	< 9.1	< 9.1	< 9.1
3,3'-Dichlorobenzidine	µg/L	1	< 18.2	< 18.2	< 18.2
3-Nitroaniline	µg/L	NE	< 9.1	< 9.1	< 9.1
4,6-Dinitro-2-methylphenol	µg/L	2	< 18.2	< 18.2	< 18.2
4-Bromophenylphenyl ether	µg/L	NE	< 9.1	< 9.1	< 9.1
4-Chloro-3-methylphenol	µg/L	1,000	< 9.1	< 9.1	< 9.1
4-Chloroaniline	µg/L	4	< 9.1	< 9.1	< 9.1
4-Chlorophenylphenyl ether	µg/L	NE	< 9.1	< 9.1	< 9.1
4-Nitroaniline	µg/L	40	< 9.1	< 9.1	< 9.1
4-Nitrophenol	µg/L	NE	< 45.5	< 45.5	< 45.5
Benzyl alcohol	µg/L	2,000	< 9.1	< 9.1	< 9.1
Butylbenzylphthalate	µg/L	200	< 9.1	< 9.1	< 9.1
Di-n-butylphthalate	µg/L	900	< 9.1	< 9.1	< 9.1
Di-n-octylphthalate	µg/L	200	< 9.1	< 9.1	< 9.1
Dibenzofuran	µg/L	8	< 9.1	< 9.1	< 9.1
Diethylphthalate	µg/L	20,000	< 9.1	< 9.1	< 9.1
Dimethylphthalate	µg/L	NE	< 9.1	< 9.1	< 9.1
Hexachloro-1,3-butadiene	µg/L	1	< 9.1	< 9.1	< 9.1
Hexachlorobenzene	µg/L	1	< 9.1	< 9.1	< 9.1
Hexachlorocyclopentadiene	µg/L	50	< 9.1	< 9.1	< 9.1
Hexachloroethane	µg/L	3	< 9.1	< 9.1	< 9.1
Isophorone	µg/L	800	< 9.1	< 9.1	< 9.1
N-Nitroso-di-n-propylamine	µg/L	0.1	< 45.5	< 45.5	< 45.5
N-Nitrosodiphenylamine	µg/L	100	< 9.1	< 9.1	< 9.1
Nitrobenzene	µg/L	1	< 9.1	< 9.1	< 9.1
Pentachlorophenol	µg/L	1	< 45.5	< 45.5	< 45.5
Phenol	µg/L	6,000	< 9.1	< 9.1	< 9.1
Pyridine	µg/L	20	< 9.1	< 9.1	< 9.1
bis(2-Chloroethoxy)methane	µg/L	60	< 9.1	< 9.1	< 9.1
bis(2-Chloroethyl) ether	µg/L	0.1	< 9.1	< 9.1	< 9.1
bis(2-Ethylhexyl)phthalate	µg/L	6	< 9.1	< 9.1	< 9.1
bis(2chloro1methylethyl) ether	µg/L	700	< 9.1	< 9.1	< 9.1

Notes:

SVOC = Semi-volatile organic compound.
IDEM = Indiana Department of Environmental Management.
SL = Screening Levels as published in IDEM's Risk-Based Closure Guide (R2) Published Level Table 1, effective March 28, 2025.
µg/L = Milligrams per Liter, or parts per billion (ppm).

< = Not detected above the reporting limit (RL).
NE = Limit Not Established at this time.
Due to limited sample volumes collected, method limitations, or higher concentrations of other compounds, the detection limit may be raised to greater than the SL.

Table 2C
PAH Groundwater Analytical Results

Client: Blue Peninsula
Site: Proposed WaWa Store #7430 - Pendleton
Address: East State Street and State Road 36, Pendleton, Indiana
PSI Project Number: 0017-3315

Parameter / Sample ID	Units	IDEM Groundwater	7430-MW01-GW01-021325	7430-MW02-GW01-021325	7430-MW03-GW01-021325
Date		Long Term Residential SL	2/13/2025	2/13/2025	2/13/2025
1-Methylnaphthalene	µg/L	0.06	< 0.91	< 0.91	< 0.91
2-Methylnaphthalene	µg/L	40	< 0.91	< 0.91	< 0.91
Acenaphthene	µg/L	500	< 0.91	< 0.91	< 0.91
Acenaphthylene	µg/L	NE	< 0.91	< 0.91	< 0.91
Anthracene	µg/L	2,000	< 0.091	< 0.091	< 0.091
Benzo(a)anthracene	µg/L	0.3	< 0.091	< 0.091	< 0.091
Benzo(a)pyrene	µg/L	0.2	< 0.091	< 0.091	< 0.091
Benzo(b)fluoranthene	µg/L	3	< 0.091	< 0.091	< 0.091
Benzo(g,h,i)perylene	µg/L	NE	< 0.091	< 0.091	< 0.091
Benzo(k)fluoranthene	µg/L	30	< 0.091	< 0.091	< 0.091
Chrysene	µg/L	300	< 0.45	< 0.45	< 0.45
Dibenz(a,h)anthracene	µg/L	0.3	< 0.091	< 0.091	< 0.091
Fluoranthene	µg/L	800	< 0.91	< 0.91	< 0.91
Fluorene	µg/L	300	< 0.91	< 0.91	< 0.91
Indeno(1,2,3-cd)pyrene	µg/L	3	< 0.091	< 0.091	< 0.091
Naphthalene	µg/L	1	< 0.91	< 0.91	< 0.91
Phenanthrene	µg/L	NE	< 0.91	< 0.91	< 0.91
Pyrene	µg/L	100	< 0.91	< 0.91	< 0.91

Notes:

PAH = Polycyclic Aromatic Hydrocarbon.

IDEM = Indiana Department of Environmental Management.

SL = Screening Levels as published in IDEM's Risk-Based Closure Guide (R2) Published Level Table 1, effective March 28, 2025.

µg/L = Milligrams per Liter, or parts per billion (ppm).

< = Not detected above the reporting limit (RL).

NE = Limit Not Established at this time.

Due to limited sample volumes collected, method limitations, or higher concentrations of other compounds, the detection limits may be raised to greater than the SL.

Table 2D
RCRA 8 Metals Groundwater Analytical Results - EPA Method 6010

Client: Blue Peninsula
Site: Proposed WaWa Store #7430 - Pendleton
Address: East State Street and State Road 36, Pendleton, Indiana
PSI Project Number: 0017-3315

Parameter / Sample ID Date Collected	Units	IDEM Groundwater Long Term Residential SL	7430-MW01-GW01-021325 2/13/2025	7430-MW02-GW01-021325 2/13/2025	7430-MW03-GW01-021325 2/13/2025
Total Arsenic	µg/L	10	**12.7**	**28.3**	**15.6**
Total Barium	µg/L	2,000	157	222	116
Total Cadmium	µg/L	5	< 2.0	< 2.0	< 2.0
Total Chromium	µg/L	20,000	31.0	27.7	18.9
Total Lead	µg/L	10	**19.4**	**26.8**	**12.2**
Total Mercury	µg/L	50	< 0.20	< 0.20	< 0.20
Total Selenium	µg/L	90	< 10.0	< 10.0	< 10.0
Total Silver	µg/L	2	< 10.0	< 10.0	< 10.0

Parameter / Sample ID Date Collected	Units	IDEM Groundwater Long Term Residential SL	7430-MW01-GW01-021325 2/13/2025	7430-MW02-GW01-021325 2/13/2025	7430-MW03-GW01-021325 2/13/2025
Dissolved Arsenic	µg/L	10	< 10.0	< 10.0	< 10.0
Dissolved Barium	µg/L	2,000	52.9	99.5	68.4
Dissolved Cadmium	µg/L	5	< 2.0	< 2.0	< 2.0
Dissolved Chromium	µg/L	20,000	< 10.0	< 10.0	< 10.0
Dissolved Lead	µg/L	10	< 10.0	< 10.0	< 10.0
Dissolved Mercury	µg/L	50	< 0.20	< 0.20	< 0.20
Dissolved Selenium	µg/L	90	< 10.0	< 10.0	< 10.0
Dissolved Silver	µg/L	2	< 10.0	< 10.0	< 10.0

Notes:
RCRA 8 Metals = Resource Conservation and Recovery Act 8 Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver).
IDEM = Indiana Department of Environmental Management.
SL = Screening Levels as published in IDEM's Risk-Based Closure Guide (R2) Published Level Table 1, effective March 28, 2025.
µg/L = Milligrams per Liter, or parts per billion (ppm).
< = Not detected above the reporting limit (RL).
NE = Limit Not Established at this time.
Due to limited sample volumes collected, method limitations, or higher concentrations of other compounds, the detection limit may be raised to greater than the SL.

Table 2E
RCRA 8 Metals Drinking Water Analytical Results - EPA Method 200.8

Client: Blue Peninsula
Site: Proposed WaWa Store #7430 - Pendleton
Address: East State Street and State Road 36, Pendleton, Indiana
PSI Project Number: 0017-3315

Parameter / Sample ID Date Collected	Units	IDEM Groundwater Long Term Residential SL	7430-MW01-GW01-021325 2/13/2025	7430-MW01-GW02-080825 8/8/2025	7430-MW02-GW01-021325 2/13/2025	7430-MW02-GW02-080825 8/8/2025	7430-MW03-GW01-021325 2/13/2025	7430-MW03-GW02-080825 8/8/2025
Total Arsenic	µg/L	10	**11.1**	1.6	**20.2**	1.8	10.0	3.0
Total Barium	µg/L	2,000	144	NA	193	NA	107	NA
Total Cadmium	µg/L	5	< 1.0	NA	< 1.0	NA	0.22	NA
Total Chromium	µg/L	20,000	21.2	NA	16.6	NA	12.1	NA
Total Lead	µg/L	10	**18.4**	1.6	**20.8**	< 1.0	**11.6**	2.0
Total Mercury	µg/L	50	< 2.0	NA	< 2.0	NA	< 2.0	NA
Total Selenium	µg/L	90	5.2	NA	< 5.0	NA	3.6	NA
Total Silver	µg/L	2	< 2.5	NA	< 2.5	NA	< 0.50	NA

Parameter / Sample ID Date Collected	Units	IDEM Groundwater Long Term Residential SL	7430-MW01-GW01-021325 2/13/2025	7430-MW01-GW02-080825 8/8/2025	7430-MW02-GW01-021325 2/13/2025	7430-MW02-GW02-080825 8/8/2025	7430-MW03-GW01-021325 2/13/2025	7430-MW03-GW02-080825 8/8/2025
Dissolved Arsenic	µg/L	10	< 1.0	NA	< 1.0	NA	< 1.0	NA
Dissolved Barium	µg/L	2,000	53.2	NA	89.6	NA	67.4	NA
Dissolved Cadmium	µg/L	5	< 0.20	NA	< 0.20	NA	< 0.20	NA
Dissolved Chromium	µg/L	20,000	< 2.0	NA	< 2.0	NA	< 2.0	NA
Dissolved Lead	µg/L	10	< 1.0	NA	< 1.0	NA	< 1.0	NA
Dissolved Mercury	µg/L	50	< 2.0	NA	< 2.0	NA	< 2.0	NA
Dissolved Selenium	µg/L	90	1.2	NA	< 1.0	NA	< 1.0	NA
Dissolved Silver	µg/L	2	< 0.50	NA	< 0.50	NA	< 0.50	NA

Notes:
RCRA 8 Metals = Resource Conservation and Recovery Act 8 Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver).
IDEM = Indiana Department of Environmental Management.
SL = Screening Levels as published in IDEM's Risk-Based Closure Guide (R2) Published Level Table 1, effective March 28, 2025.
µg/L = Milligrams per Liter, or parts per billion (ppm).
< = Not detected above the reporting limit (RL).
NE = Limit Not Established at this time.
NA = Sample not analyzed for stated test parameter.
Bold = Detected Above IDEM Groundwater - Long Term Residential SL.
Due to limited sample volumes collected, method limitations, or higher concentrations of other compounds, the detection limit may be raised to greater than the SL.