

DATE: July 30, 2026

DEPARTMENT OF GENERAL SERVICES
BUREAU OF CAPITAL PROJECT DESIGN MANAGEMENT
1800 HERR STREET
HARRISBURG, PENNSYLVANIA

ADDENDUM NO. 7

on

PROJECT NO. DGS C-0251-0108 PHASE 001

**PROJECT TITLE - PennDOT District 5 Engineering & Maintenance Campus - Decommissioning
PROFESSIONAL:**

If you submitted a bid prior to this Addendum being issued, your bid has been discarded and you must re-submit your bid(s) prior to the bid opening date and time.

ADMINISTRATIVE CHANGES – ALL CONTRACTS

Item 1 - Clarification - In Addendum 5 we gave clarification to the statement of work on the full removal of the tanks. "Clarification - Statement of Work - P. Hazmat - Environmental. The contractor shall permanently close the UST system by removal from the ground in accordance with PA DEP Technical Document Requirements for Underground Storage Tank Systems, Section III, Subsection B.1 (Permanent Closure by Removal)."

Item 2 - Clarification - Yes it is mandatory to comply with the separations act. The DBC will be the .1 General Contractor and the remaining points will need to be bid out after the design portion of the project is complete.

Item 3 - Attached please find the limited ACM Survey for the existing site and the Phase II and II ESA.

SPECIFICATION CHANGES – ALL CONTRACTS

Item 1 - N/A

DRAWING CHANGES – ALL CONTRACTS

Item 1 - N/A



ISO 9001:2015 CERTIFIED

ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS

936 Ridgebrook Road • Sparks, MD 21152 • Phone 410-316-7800 • Fax 410-316-7817

March 5, 2026

Tammy N. Tedesco, ProFM
Administrative Officer 5
PA Department of Transportation
Bureau of Office Services
Facilities Management Division
400 North Street, 5th Floor
Harrisburg, PA 17120

Ref: Limited Asbestos-Containing Materials Survey
Hamburg State Center
3560 Old Route 22
Hamburg, PA 19526
Job No. 00031345_003

Dear Ms. Tedesco:

KCI is pleased to submit the following report for the Limited Asbestos-Containing Materials Survey completed at the Hamburg Center Facility located at 3560 Old Route 22, Hamburg, PA 19526 (subject site). The survey was limited to representative pipe insulation at the subject site that may be impacted by future decommissioning activities.

Within this report are included methodologies, findings, and conclusions and recommendations for the handling of confirmed asbestos-containing materials. Limitations and other notes that pertain to the survey are also included for clarifications.

If you have questions or comments regarding this report, please contact me at (240) 731-8149.

Sincerely,

Derek R. Dauberman
Senior Project Manager
KCI Technologies, Inc.

Employee-Owned Since 1988

1.0 Introduction

The scope of work included a limited survey to determine if asbestos-containing pipe insulation is present at the subject site. It is KCI's understanding that future decommissioning activities may involve cutting pipes at low points to facilitate draining the systems of water or liquid type material that would be prone to freezing. The site inspection was performed on Monday, February 2, 2026, by KCI's Commonwealth of Virginia licensed asbestos inspector Ms. Brittany Maas. Inspector licenses are included in Attachment A.

2.0 Asbestos Containing Materials (ACM) Survey

The scope of work included a visual evaluation of potential thermal system insulation (TSI) ACMs in representative buildings at locations that may be subject to cutting and the collection of bulk samples of these materials. KCI collected twenty (20) bulk samples of suspect pipe insulation. A total of twenty-three (23) homogeneous layers were identified and analyzed. The bulk samples of suspect ACMs were submitted under chain-of-custody to Hayes Microbial Consulting. Hayes Microbial Consulting is a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory (NVLAP ID#500096-0). The ACM laboratory results and chain of custody forms are included in Attachment B.

Polarized Light Microscopy (PLM) analytical method was used to analyze bulk samples for the presence of asbestos. PLM is an optical microscopic technique that distinguishes the different types of asbestos fibers by their shape and unique optical properties. The technique is based on the refraction of light from various crystalline asbestos structures and the observation of the corresponding color changes through the microscope. All PLM analyses were performed following the methodologies documented in the EPA method 600/R-93/116, July 1993, "Method for the Determination of Asbestos in Bulk Building Materials.

2.1 ACM Survey Methodology

The scope of this survey was limited to pipe insulation and associated mudded fittings throughout representative buildings to assess the potential for the presence of asbestos in preparation for the decommissioning of the Hamburg State Center.

This survey was conducted in a non-destructive manner in that the survey was limited to readily accessible pipes that may be disturbed during the decommissioning of the subject site. KCI did not assess for pipe insulation within chases, wall cavities, etc. Sample locations were sealed with duct tape and labeled with the corresponding sample number and date of sampling for future field reference.

Other suspect building materials were not assessed or sampled during this site visit.

2.3 ACM Survey Results

Table 2.3.1 below summarizes the materials sampled that are asbestos containing or assumed to contain asbestos:

Table 2.3.1: ACM Sampling Results Summary				
Sample Number	Sample Description	Sample Location	Result	Condition
HC-01A	White Paper Pipe Wrap	Main Boiler Building – High Pressure Steam Line	NAD	Good
HC-01B	Brown Insulation		NAD	Good
HC-02A	White Paper Pipe Wrap	Main Boiler Building – Boiler Feed Water Line	NAD	Good
HC-02B	Yellow Insulation		NAD	Good
HC-03	Mudded Wrap	Main Boiler Plant	NAD	Good
HC-04	Mudded Wrap		NAD	Good
HC-05A	White Paper Pipe Wrap	Low Pressure Steam Line Entering Building 15	NAD	Good
HC-05B	Yellow Insulation		NAD	Good
HC-06	Cream Wrap	Admin/Building 15 - High Pressure Steam Line	NAD	Good
	White Mudded Fitting		65% Chry	Good
HC-07	Cream Wrap	Corridor Between Admin Building and West Wing	NAD	Good
	White Pipe Insulation – TSI		65% Chry	Good
	Gray Plastic Wrap		NAD	Good
HC-08	Cream Wrap	Small Pipe in Corridor Between West Wing and Buildings 1, 2, 3, and 9	NAD	Good
	White Pipe Insulation – TSI		90% Chry	Good
HC-09	Cream Wrap	Large Pipe in Corridor Between West Wing and Buildings 1, 2, 3, and 9	NAD	Good
	White Pipe Insulation – TSI		90% Chry	Good
HC-10	White Pipe Insulation – TSI	West Wing - Maple Hall	65% Chry	Good
HC-11	Cream Wrap	West Wing – Maple Hall - Mechanical Room	NAD	Good
	White Mudded Fitting		65% Chry	Good
HC-12	Tan Pipe Seam Sealant	West Wing – Maple Hall - Mechanical Room	NAD	Good
HC-13			NAD	Good
HC-14	Red Pipe Gasket	East Wing – Building 12	NAD	Good
HC-15		Main Water Line Shut Off Room	NAD	Good
HC-16	White Pipe Wrap – TSI	Auditorium/Building 20 Basement	55% Chry	Good
HC-17	Grey Mudded Fitting	Under Building 6 – Domestic Hot Water Line	NAD	Good
HC-18	Cream Wrap	Under Building 6 – Low Pressure Steam Line	NAD	Good
	White Pipe Insulation – TSI		20% Chry 6% Croc	Good
HC-19	White Pipe Insulation – TSI	Building 8 – Connection Room	20% Chry 4% Am	Good
HC-20	Cream Wrap		NAD	Good
	Gray Mudded Fitting		55% Chry	Good

NOTES: NAD – No Asbestos Detected | Chry – Chrysotile Asbestos | Croc – Crocidolite | Am – Amosite

A sample location drawing is included in Attachment C.

3.0 Summary of Findings:

The EPA defines an asbestos containing material as “any material containing greater than one percent (>1%) asbestos as determined using the method specified in Appendix A, subpart F, 40 CFR part 763, Section 1, PLM.” The following materials were determined to be asbestos containing by laboratory analysis:

- White and Grey Mudded Fittings (Joints, Elbows, etc.)
- White Pipe Insulation (Straight sections)
- White Pipe Wrap

Photos of all materials tested are in Attachment D.

4.0 Recommendations

Based on the findings of the limited ACM Survey, all suspect pipe insulation should be assumed to be asbestos-containing unless future sampling determines otherwise. KCI understands that decommissioning work may include cutting small sections of pipe to allow for draining of the systems. Prior to any decommissioning work that may impact known or suspected asbestos-containing materials, KCI recommends a licensed and experienced asbestos abatement contractor remove all ACM required to safely perform decommissioning activities. The amount of removal will be dependent upon the condition and friability of the material as well as the amount of space needed for decommissioning work. KCI anticipates that any required abatement work will be performed via glovebag or mini-containment procedures.

KCI recommends that the abatement contractor and other contractors working on site be made aware of the identified ACM. Additionally, contractors should understand that the survey was limited and other asbestos-containing materials may be present at the site. Any suspect materials not identified in prior reports must be assumed to be asbestos-containing and treated as such unless laboratory analysis determines otherwise.

Selective demolition of architectural or structural elements may be required to expose concealed ACM for abatement. Selective demolition may involve impact to suspect ACM, including wall and ceiling systems, vinyl floor tile, etc.

5.0 Disclaimer

This report has been prepared by KCI Technologies, Inc. exclusively for our Client and their Authorized Representatives. The findings and recommendations presented are based upon discussions with the Client of the present conditions and may not necessarily indicate future conditions. KCI implies no warranty to the accuracy of information provided to them by the Client or outside agents and transmitted herein.

Attachment A: Inspector Licenses

Attachment B: Laboratory's Certificate of Analysis

Attachment C: Site Map

Attachment D: Photos

ATTACHMENT A
INSPECTOR LICENSES

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF LABOR AND INDUSTRY
ASBESTOS OCCUPATIONS CERTIFICATION

Brittany M Maas
980 OAKLAND RD
FREELAND MD 21053

Birthdate: 6/23/1997	Certification Number: 063442
Sex: F	Class: BUILDING INSPECTOR
Eye Color: BLU	Issue Date: 1/27/2026
Height: 5 Ft 6 In	Expiration Date: 11/10/2026

INSTRUCTIONS:

Congratulations! Your Asbestos Occupations Certification Application has been processed.

This form is valid as a temporary Asbestos Occupations Certification for up to 30 days from the Issue Date listed above. You must carry it on your person or have it accessible while on a job site. Once your official bar code letter is received at the address listed above (typically in 2-3 weeks), you will need to follow the instructions listed on the bar code letter to obtain your photo identification card at any PennDOT photo license center.

Check the printed information on this form. If an error has been made in printing, or if you do not receive your bar code letter within 30 days of this letter being issued, notify the Bureau of Occupational and Industrial Safety IMMEDIATELY at 717-772-3396 or CALBOIS@pa.gov. Do NOT make any corrections on this form.

For more information on the PA Asbestos certification program, visit Labor and Industry's Asbestos website at www.dli.pa.gov/asbestos. For information on PennDOT's photo licensing centers, visit PennDOT's website at www.dmv.pa.gov or call 1-800-932-4600.

ATTACHMENT B
LABORATORY'S CERTIFICATE OF ANALYSIS

Analysis Report prepared for

KCI Technologies, Inc.

936 Ridgebrook Road
Sparks, MD 21152

Phone: (410) 316-7800

00031345.003.001
PA DGS Hamburg Center
Pipe Insulation Testing for
Decommissioning

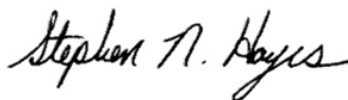
Collected: **February 2, 2026**
Received: **February 4, 2026**
Reported: **February 9, 2026**

We would like to thank you for trusting Hayes Microbial for your analytical needs!
We received 23 samples by FedEx in good condition for this project on February 4th, 2026.

The results in this analysis pertain only to this job, collected on the stated date, and should not be used in the interpretation of any other job. Information supplied by the customer can affect the validity of results. These results apply only to the samples as received. This report may not be duplicated, except in full, without the written consent of Hayes Microbial Consulting, LLC.

All information provided to Hayes Microbial is confidential information relating to our customers and their clients. We will not disclose, copy, or distribute any information verbally or written, except to those designated by the customer(s). We take confidentiality very seriously. No changes to the distribution list will be made without the express consent of the customer.

This laboratory bears no responsibility for sample collection activities, analytical method limitations, or your use of the test results. Interpretation and use of test results are your responsibility. Any reference to health effects or interpretation of mold levels is strictly the opinion of Hayes Microbial. In no event, shall Hayes Microbial or any of its employees be liable for lost profits or any special, incidental or consequential damages arising out of the use of these test results.



Steve Hayes, BSMT (ASCP)
Laboratory Director
Hayes Microbial Consulting, LLC.



EPA Laboratory ID: VA01419



DPH License: #PH-0198

Asbestos PLM Bulk

EPA 600/R-93/116; EPA 40 CFR Appendix E to Subpart E of Part 763

#	Sample	Material Description	Non-Fibrous	Non-Asbestos Fibers	Asbestos Fibers
1	HC-01A - White Paper Pipe Wrap	Heterogenous / Foil Wrap / Silver/White	20%	65% Cellulose Fibers 15% Cellulose Fibers	None Detected
2	HC-01B - Brown Insulatin	Homogenous / Insulation / Brown	1%	99% Fiberglass	None Detected
3	HC-02A - White Paper Pipe Wrap	Heterogenous / Foil Wrap / Silver/White	20%	65% Cellulose Fibers 15% Fiberglass	None Detected
4	HC-02B - Yellow Insulation	Homogenous / Insulation / Yellow	1%	99% Fiberglass	None Detected
5	HC-03 - Mudded Wrap	Heterogenous / Bulk Material / Gray	30%	55% Mineral/Glass wool 15% Cellulose Fibers	None Detected
6	HC-04 - Mudded Wrap	Heterogenous / Bulk Material / Beige	30%	55% Mineral/Glass wool 15% Cellulose Fibers	None Detected
7	HC-05A - White Paper Pipe Wrap	Heterogenous / Foil Wrap / Silver/White	20%	65% Cellulose Fibers 15% Fiberglass	None Detected
8	HC-05B - Yellow Insulation	Homogenous / Insulation / Yellow	1%	99% Fiberglass	None Detected
9	HC-06 - White Mudded Fitting	Homogenous / Wrap / Cream	1%	99% Cellulose Fibers	None Detected
		Homogenous / Bulk Material / Tan	35%		65% Chrysotile
10	HC-07 - White Pipe Insulation - TSI	Homogenous / Wrap / Cream	1%	99% Cellulose Fibers	None Detected
		Heterogenous / Bulk Material / Tan	35%		65% Chrysotile
		Heterogenous / Plastic Wrap / Gray	80%	20% Fiberglass	None Detected

Asbestos PLM Bulk

EPA 600/R-93/116; EPA 40 CFR Appendix E to Subpart E of Part 763

#	Sample	Material Description	Non-Fibrous	Non-Asbestos Fibers	Asbestos Fibers
11	HC-08 - White Pipe Insulation - TSI	Homogenous / Wrap / Cream	1%	99% Cellulose Fibers	None Detected
		Heterogenous / Bulk Material / White	10%		90% Chrysotile
12	HC-09 - White Pipe Insulation - TSI	Homogenous / Wrap / Cream	1%	99% Cellulose Fibers	None Detected
		Heterogenous / Bulk Material / White	10%		90% Chrysotile
13	HC-10 - White Pipe Insulation - TSI	Heterogenous / Bulk Material / Beige	35%		65% Chrysotile
14	HC-11 - White Mudded Fitting	Homogenous / Wrap / Cream	1%	99% Cellulose Fibers	None Detected
		Heterogenous / Bulk Material / Beige	35%		65% Chrysotile
15	HC-12 - Tan Pipe Seam Sealant	Homogenous / Sealant / Tan	100%		None Detected
		Heterogenous / Foil Wrap / Silver/White	20%	65% Cellulose Fibers 15% Fiberglass	None Detected
		Homogenous / Insulation / Yellow	1%	99% Fiberglass	None Detected
16	HC-13 - Tan Pipe Seam Sealant	Homogenous / Sealant / Tan	100%		None Detected
		Heterogenous / Foil Wrap / Silver/White	20%	65% Cellulose Fibers 15% Fiberglass	None Detected
		Homogenous / Insulation / Yellow	1%	99% Fiberglass	None Detected
17	HC-14 - Red Pipe Gasket	Homogenous / Gasket / Red	100%		None Detected
18	HC-15 - Red Pipe Gasket	Homogenous / Gasket / Red	100%		None Detected

Asbestos PLM Bulk

EPA 600/R-93/116; EPA 40 CFR Appendix E to Subpart E of Part 763

#	Sample	Material Description	Non-Fibrous	Non-Asbestos Fibers	Asbestos Fibers
19	HC-16 - White Pipe Wrap - TSI	Heterogenous / Duct Wrap / Off-White	45%		55% Chrysotile
20	HC-17 - Gray Mudded Fitting	Heterogenous / Bulk Material / Gray	5%	85% Mineral/Glass wool 10% Fiberglass	None Detected
21	HC-18 - White Pipe Wrap - TSI	Homogenous / Wrap / Cream	1%	99% Cellulose Fibers	None Detected
		Heterogenous / Bulk Material / White	74%		20% Chrysotile 6% Crocidolite
22	HC-19 - White Pipe Wrap - TSI	Heterogenous / Bulk Material / White	76%		20% Chrysotile 4% Amosite
23	HC-20 - Gray Mudded Fitting	Homogenous / Wrap / Cream	1%	99% Cellulose Fibers	None Detected
		Homogenous / Duct Wrap / Off-White	45%		55% Chrysotile

Asbestos Analysis Information

Analysis Details	All samples were received in acceptable condition unless otherwise noted on the report. This report must not be used by the client to claim product certification, approval, or endorsement by AIHA, NIST, NVLAP, NY ELAP, or any agency. The results relate only to the items tested. Hayes Microbial Consulting reserves the right to dispose of all samples after a period of 60 days in compliance with state and federal guidelines.
PLM Analysis	All Polarized Light Microscopy (PLM) results include an inherent uncertainty of measurement associated with estimating percentages by PLM. Materials with interfering matrix, low asbestos content, or small fiber size may require additional analysis via TEM Analysis.
TEM Analysis	Analysis by TEM is capable of providing positive identification of asbestos type(s) and semi-quantitation of asbestos content.
Definitions	'None Detected' - Below the detected reporting limit of 1% unless point counting is performed, then the detected reporting limit is .25%.
New York ELAP	Per NY ELAP198.6 (NOB), TEM is the only reliable method to declare an NOB material as Non-Asbestos Containing. Any NY ELAP samples that are subcontracted to another laboratory will display the name and ELAP Lab Identification number in the report page heading of those samples. The original report provided to Hayes Microbial Consulting is available upon request.



Company: KCI Technologies Inc
Address: 936 Ridgebrook Rd
Sparks, MD 21152

N
||

EDEX - PAK 50
2-04-2026

1836 1932



ASBESTOS



26005281

Job Number: 00031345-003.001
Collector: Brittany Maas
Date Collected: 02/02/2026
Job Name: PA DGS Hamburg Center -
Pipe Insulation Testing for
Decommissioning

Mobile: 410-916-2826 Email: brittany.maas@kci.com
Note:

Analysis Type		Analysis Methods	Turnaround Times					
PLM	Bulk	EPA 600*	3 Hour*	Same Day*	1 Day	2 Day	3 Day	5 Day
	Point Count	400 Point*, 1000 Point*	3 Hour*	Same Day*	1 Day	2 Day	3 Day	5 Day
	Vermiculite	EPA 600*, Cincinnati Method	3 Hour*	Same Day*	1 Day	2 Day	3 Day	5 Day
	Soil	EPA 600*, CARB 435	3 Hour*	Same Day*	1 Day	2 Day	3 Day	5 Day
TEM	Air	EPA AHERA, NIOSH 7402	-	Same Day	1 Day	2 Day	3 Day	5 Day
	Bulk	Chatfield	-	Same Day	1 Day	2 Day	3 Day	5 Day
	Wipe	ASTM D6480-05	-	Same Day	1 Day	2 Day	3 Day	5 Day
	Microvac	ASTM D5755-09	-	Same Day	1 Day	2 Day	3 Day	5 Day
PCM	Air	NIOSH 7400	3 Hour	Same Day	1 Day	2 Day	3 Day	5 Day

#	Group	Number	Sample Name	Analysis Type	Turnaround	Volume / Area	Stop (+)
1		HC-01A	White Paper Pipe Wrap	BULK	3-day	High Pressure	NO
2		HC-01B	Brown Insulation			Steam Line	
3		HC-02A	White Paper Pipe Wrap			Boiler Feed	
4		HC-02B	Yellow Insulation			Water line	
5		HC-03	Mudded wrap			Boiler plant	
6		HC-04	Mudded wrap			Boiler plant	
7		HC-05A	White Paper Pipe Wrap			Low pressure	
8		HC-05B	Yellow Insulation			Steam entering B15	
9		HC-06	White mudded fitting				
10		HC-07	White Pipe Insulation - TSI			connecting hallway	
11		HC-08	White Pipe Insulation - TSI			small pipe connecting hallway	
12		HC-09	White Pipe Insulation - TSI			large pipe connecting hallway	
13		HC-10	White Pipe Insulation - TSI			Maple Hall	
14		HC-11	White mudded fitting			Mechanical room - Maple Hall	
15		HC-12	Tan Pipe Seam Sealant				
16		HC-13	Tan Pipe Seam Sealant				

Released by: Brittany Maas

Date: 2/03/2026

Received By: MC

Date: 2/4/26



Company: KCI Technologies Inc.
Address: 936 Ridgebrook Rd
Sparks, MD 21152

N

INDEX - PAK 50
2-04-2026

1836 1932



ASBESTOS



26005281

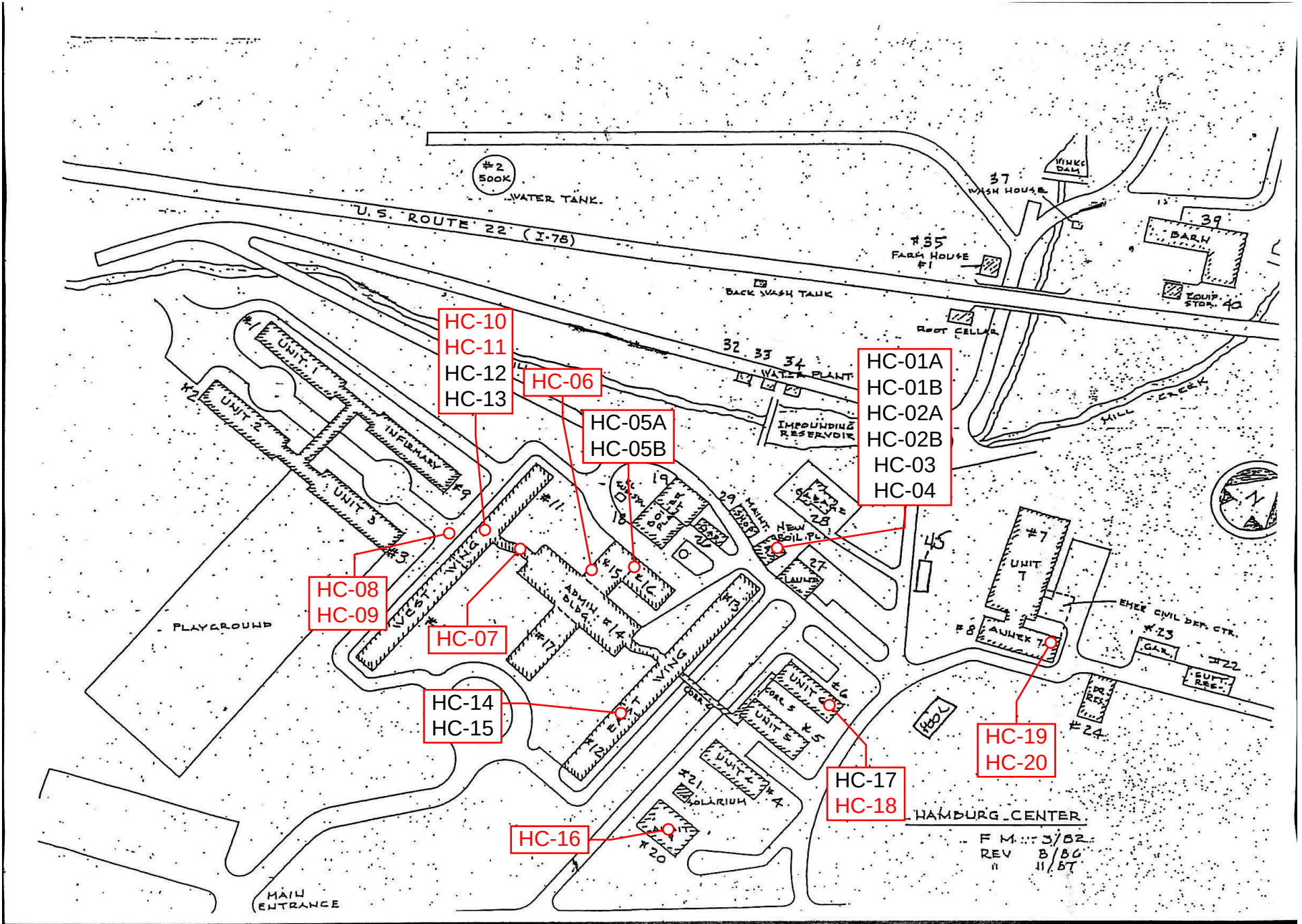
Job Number: <u>00031345-003.001</u>	Job Name: <u>PA DGS Hamburg Center -</u> <u>Pipe Insulation Testing for</u> <u>Decommissioning</u>	Mobile: <u>410-916-2824</u>	Email: <u>brittany.maas@kci.com</u>
Collector: <u>Brittany Maas</u>		Note:	
Date Collected: <u>02/02/2026</u>			

Analysis Type		Analysis Methods	Turnaround Times					
PLM	Bulk	EPA 600*	3 Hour*	Same Day*	1 Day	2 Day	3 Day	5 Day
	Point Count	400 Point*, 1000 Point*	3 Hour*	Same Day*	1 Day	2 Day	3 Day	5 Day
	Vermiculite	EPA 600*, Cincinnati Method	3 Hour*	Same Day*	1 Day	2 Day	3 Day	5 Day
	Soil	EPA 600*, CARB 435	3 Hour*	Same Day*	1 Day	2 Day	3 Day	5 Day
TEM	Air	EPA AHERA, NIOSH 7402	-	Same Day	1 Day	2 Day	3 Day	5 Day
	Bulk	Chatfield	-	Same Day	1 Day	2 Day	3 Day	5 Day
	Wipe	ASTM D6480-05	-	Same Day	1 Day	2 Day	3 Day	5 Day
	Microvac	ASTM D5755-09	-	Same Day	1 Day	2 Day	3 Day	5 Day
PCM	Air	NIOSH 7400	3 Hour	Same Day	1 Day	2 Day	3 Day	5 Day

#	Group	Number	Sample Name	Analysis Type	Turnaround	Volume / Area	Stop (+)
1		HC-14	Red Pipe Gasket	BULK	3-day	main water line shut off room	NO
2		HC-15	Red Pipe Gasket				
3		HC-16	White Pipe Wrap - TSI			Auditorium Basement	
4		HC-17	Gray mudded fitting			under BG-domestic hot water line	
5		HC-18	White Pipe Wrap - TSI			low pressure steam	
6		HC-19	White Pipe Wrap - TSI			Building 8 connection room	
7		HC-20	Gray mudded fitting				
8							
9							
10							
11							
12							
13							
14							
15							
16							

Released by: <u>Brittany Maas</u>	Date: <u>02/03/2026</u>	Received By: <u>MO</u>	Date: <u>2/4/26</u>
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ATTACHMENT C
SITE MAP



ATTACHMENT D
PHOTOGRAPHIC DOCUMENTATION



Photo 1 - HC-01A and HC-01B: White Paper Pipe Wrap and Brown Insulation



Photo 2 - HC-02A and HC-02B: White Paper Pipe Wrap and Yellow Insulation



Photo 3 - HC-03: Mudded Wrap

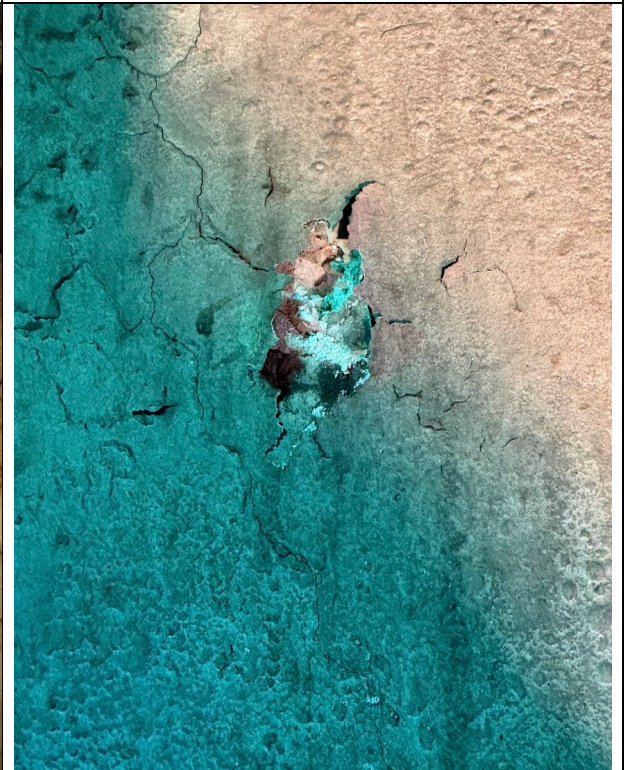


Photo 4 - HC-04: Mudded Wrap



Photo 5 - HC-05A and HC-05B: White Paper Pipe Wrap and Yellow Insulation



Photo 6 - HC-06: White Mudded Fitting (ACM)



Photo 7 - HC-07: White Pipe Insulation – TSI (ACM)



Photo 8 - HC-08: White Pipe Insulation – TSI (ACM)



Photo 9 - HC-09: White Pipe Insulation – TSI (ACM)



Photo 10 - HC-10: White Pipe Insulation – TSI (ASM)



Photo 11 - HC-11: White Mudded Fitting (ACM)



Photo 12 - HC-12 and HC-13: Tan Pipe Seam Sealant



Photo 13 - HC-14 and HC-15: Red Pipe Gasket



Photo 14 - HC-16: White Pipe Wrap – TSI (ACM)



Photo 15 - HC-17: Gray Mudded Fitting



Photo 16 - HC-18: White Pipe Wrap – TSI (ACM)



Photo 17 - HC-19: White Pipe Wrap – TSI (ACM)



Photo 18 - HC-20: Gray Muddied Fitting (ACM)

**EXECUTIVE SUMMARY
PHASE II and III ENVIRONMENTAL SITE ASSESSMENT ACTIVITIES
FOR**

**FORMER HAMBURG HOSPITAL
3650 OLD ROUTE 22
Windsor Township
Berks County, Pennsylvania**



Prepared for:



pennsylvania

DEPARTMENT OF TRANSPORTATION

*Bureau of Office Services - Facility Management Division
400 North St., 6th Floor
Harrisburg, PA 17120*



RETTEW Associates, Inc.
1055 Westlakes Drive, Suite 300
Berwyn, PA 19312



Dewberry[®]

Dewberry Engineers Inc.
6 Campus Drive, Suite 203
Parsippany, NJ 07054

June 24, 2026

This summary was prepared for the Phase II/III Environmental Site Assessment (ESA) activities completed by RETTEW Associates, Inc. (RETTEW) and Dewberry Engineers Inc. (Dewberry), aka the "Project Team", for the former Hamburg Hospital (Project Site) located at 3560 Old Route 22 in Windsor Township, Berks County, Pennsylvania (**Figure 1**). These activities were completed for the Pennsylvania Department of Transportation (PennDOT) Bureau of Office Services Facility Management Division (BOS FMD) to satisfy property environmental due diligence requirements pursuant to Publication 281 (05-19) under Statewide Open-End Contracts E05071 and E05072.

The environmental due diligence efforts summarized herein were completed in anticipation of potential redevelopment of the Project Site that is approximately 120-acres in size and located within a single parcel (Parcel # 449514431213) that totals 229.45 acres. The Project Site is improved with a former Hamburg Tuberculosis Sanatorium/Mental Health Facility (former Hamburg Hospital) that includes the old and new boiler buildings, garage building, maintenance building, residential buildings, groundskeeper building, and other ancillary structures. Based on the proposed redevelopment/current conceptual plans of the former Hamburg Hospital facility, there will be project construction activities including building demolition, potential cut/fill earthwork activities, re-grading and likely utility installation/relocations.

The Project Team completed Phase II/III investigation activities in April 2026 and have prepared the attached detailed executive summary, supporting laboratory analytical detection tables (per AOC) and Figure to present our findings. Pursuant to Publication 281, we have also included recommendations, indicating whether further action should or may be required depending on the final design plans for the proposed construction activities.

The analytical data collected were compared to Pennsylvania Department of Environmental Protection (PA DEP) Act 2 criteria for a non-residential setting based on the anticipated end-use of the property. In general, the findings indicate that several constituents were detected in soil samples collected for this investigation, but below applicable PA DEP Act 2 criteria with two exceptions. Two individual sampling locations had detections of one constituent (antimony and arsenic) at concentrations above their respective criteria. It is our opinion that the detection of all the constituents identified by this investigation will not impact the proposed re-development of the subject property if no excavated material generated during construction will be exported off site. If the balance of the project results in a net export of excavated material, the analytical data should be re-evaluated pursuant to PA DEP's Management of Fill Policy to determine if the anticipated waste material can be treated as clean fill or disposed at an appropriate facility. In addition, the attached detailed summary also provides recommendations for the removal of existing tanks and waste drums prior to initiating construction activities.

At this time, we do not believe a Waste Management Plan (WMP) will be required to be prepared and included as part of contract documents and all recommended actions can be addressed under Special Provisions. If the final design indicates net export of excavated materials, the need for a WMP should be revisited.

Detailed Executive Summary Table
Former Hospital Site, Hamburg, PA

AOC #		HISTORY	PHASE II ESA	PHASE III ESA	ANALYTICAL PARAMETERS	FINDINGS	RECOMMENDATIONS
1		Building 28 (Garage) served as the facility garage for maintaining vehicles and equipment. Asphalt patches at this location might be indicative of former UST excavations.	Completed surface geophysical survey to assess for presence of existing tanks or tank graves in vicinity of and surrounding asphalt repairs.	Installed five soil borings and collected five soil samples for chemical analyses.	PA Shortlist for leaded/unleaded gasoline and Waste Oil	All targeted VOCs were non-detect. Two of the samples collected contained SVOCs at concentrations above their laboratory reporting limit but below their respective Act 2 standard. Lead was detected in all five samples above the laboratory reporting limit but below its Act 2 standard.	Further Action Recommended_ The Propopsed Construction indicates Paint and Bridge Crew buildings to be constructed in the area of AOC-1. Since the presence of existing or former USTs were not identified during the investigation, it is recommended a special provision be prepared to address removal of unanticipated USTs and/or impacted soil pursuant to applicable PA DEP guidance and regulations.
2		A 15,000-gallon fuel oil UST located adjacent to Building 43 (New Boiler) is currently in active service. A sheen from the exterior fuel fired-oil water trailer appeared to have impacted soil along the drive way.	Collected soil samples from two locations adjacent to UST.	Installed four soil borings surrounding the UST and collected four samples for chemical analyses.	PA Shortlist for #2 Fuel Oil PA Shortlist for Waste Oil (Phase II only)	Phase II_ All targeted VOCs were non-detect except for toluene, which was identified above the reporting limit, but below the Act 2 standard in one of the two samples. SVOCs were detected in all samples above the their respective laboratory reporting limit but below their respective Act 2 standards. Lead was detected in all samples above the laboratory reporting limit but below its Act 2 standard. Phase III_ All targeted VOCs were non-detect.	Further Action Recommended_ Prior to demolition/construction activities, it is recommended the UST be removed by excavation pursuant to applicable PA DEP guidance and regulations including collection of soil samples for chemical analysis.
3		A 275-gallon heating oil AST that was not in secondary containment is located adjacent to Building 33 (Former Water Treatment Plant).	Collected two soil samples proximal to the AST.	NA	PA Shortlist for #2 Fuel Oil	All targeted VOCs were non-detect.	Further Action Recommended_ It is recommended that the 275-Gallon AST be removed pursuant to PA DEP guidance and regulations including collection of soil samples from directly beneath the UST, if warranted.
4		A diesel emergency generator is located adjacent to Building 14.	Collected three soil samples proximal to the generator.	NA	PA Shortlist for Diesel Fuel	All targeted VOCs were non-detect, except for toluene which was detected in one sample above the laboratory reporting limit but below the its Act 2 standard.	Further Action Recommended_ It is recommended that the emergency generator with the diesel fuel tank be removed pursuant to applicable PA DEP guidance and regulations and soil samples collected from beneath its location for chemical analyses, if warranted.
5		A root cellar contained drums of waste oil, motor oil, and hydraulic oil that were not stored within secondary containment. Additionally, drums containing PCBs were reportedly stored in the root cellar.	Collected eight soil samples from accessible locations.	Could not be completed as proposed because location was not accessible (height) to drilling rig. Additional shallow samples were collected for Phase II ESA.	PA Shortlist for Mineral Insulating Oil, Waste Oil, and Lubricating Oils, Priority Pollutant List Metals	VOCs were detected in two samples, but below Act 2 standards. Several SVOCs and metals were detected above their reporting limits in a majority of the samples, but below their respective Act 2 standards except arsenic. This constituent was detected above its Act 2 soil to groundwater standard but below its direct contact standard in one sample. One PCB was detected above its reporting limit, but below the Act 2 standard in seven of eight samples.	Further Action Recommended_ The presence of drums filled with various oils represents a potential future environmental liability as they are not stored on secondary containment. Therefore, it is recommended drums are disposed off site pursuant to applicable waste regulations. The proposed layout indicates that the root cellar will not be impacted by the proposed construction activities. The presence of arsenic in one sample is not a direct contact concern but may represent a potential waste management need if material is excavated from the root cellar.

Detailed Executive Summary Table
Former Hospital Site, Hamburg, PA

AOC #		HISTORY	PHASE II ESA	PHASE III ESA	ANALYTICAL PARAMETERS	FINDINGS	RECOMMENDATIONS
6		Six concrete pad-mounted electrical transformers are located throughout the Project Site. They reportedly contain oil, although the specific type of oil is unknown.	Three soil samples were collected per location from five of the six transformer locations, soil was inaccessible at one due to presence of concrete pad.	NA	PA Shortlist for Mineral Insulating Oil	One soil sample collected at the transformer (Building 9) had a detection of PCB-1260 at concentration above the laboratory reporting limit but below its Act 2 standard. All other compounds were undetected.	Further Action is Recommended_ It is recommended that prior to removal of all electrical transformers, the mineral oil be tested for PCBs and/or for required disposal chemical analysis.
7		A concrete pad was used to dry sludge from the former waste water treatment plant.	Four soil samples were collected proximal to the pad and one sample was collected from the material on top of the pad.	NA	Priority Pollutant List Metals	Targeted metals were detected in all soil samples collected above their laboratory reporting limits but below their respective Act 2 standard. Antimony was the only metal detected above its Act 2 standard (soil to groundwater) in one of the five soil samples,	No Further Action is Recommended at This Time_ Although the presence of antimony above its Act 2 standard does not represent a direct contact concern at this location, if the concrete is to be removed, the need for appropriate waste management may be required if soil will also be removed.
8		An area west of the former Hamburg Hospital facility was used to store stockpiles of coal and coal ash.	Five soil samples were collected for chemical analyses.	Five soil borings were installed at same locations for the Phase II, one sample was collected from each boring.	Priority Pollutant List Metals	Phase II/III_ All targeted metals (except silver) were detected, with few exceptions, above their laboratory reporting limits but below their respective Act 2 standard.	No Further Action Recommended at This Time_ Pending balance of project (import/export of soil). No metals or pesticides were present in the investigation area at concentrations that represent a potential direct contact or soil to groundwater concern. However, re-evaluation of analytical data may be warranted if material from this area is to be exported offsite.
9		A suspected tree farm/orchard was identified in the 1937 historical aerial photograph north of the unnamed tributary that crosses the Project Site.	Two soil samples were collected (shallow and deeper) from five locations (10 samples).	NA	Priority Pollutant List Metals and Target Compound List Pesticides	All targeted metals and two pesticides were detected above their laboratory reporting limit but below their respective Act 2 standard.	No Further Action Recommended at This Time_ Pending balance of project (import/export of soil). No metals or pesticides were present in the investigation area at concentrations that represent a potential direct contact or soil to groundwater concern. However, re-evaluation of analytical data may be warranted if material from this area is to be exported off site.
10		The salt storage building might be situated on coal ash fill material.	Four soil samples collected within the AOC.	Four soil borings were installed as same locations for the Phase II, one sample was collected from each boring.	Priority Pollutant List Metals	Phase II/III_ All targeted metals were detected above their laboratory reporting limits, with few exceptions, but below their respective Act 2 standard.	No Further Action Recommended at This Time_ Pending balance of project (export of soil). No metals or pesticides were present in the investigation area at concentrations that represent a potential direct contact or soil to groundwater concern. However, re-evaluation of analytical data may be warranted if material from this area is to be exported off site.
11		A yellow 55-gallon drum containing an unknown liquid was observed adjacent to Building 32 (Former Water Treatment Plant).	Two soil samples were collected proximal to the identified drum.	NA	PA Shortlist Waste Oil	All targeted constituents were detected above the reporting limit, but below the Act-2 standard.	Further Action is Required_ It is recommended to confirm the contents of the drum and dispose of the drum appropriately in accordance with all Federal, State and Local regulations. Re-evaluation of analytical data may be warranted if material from this area is to be excavated and exported off site.

Detailed Executive Summary Table
Former Hospital Site, Hamburg, PA

AOC #		HISTORY	PHASE II ESA	PHASE III ESA	ANALYTICAL PARAMETERS	FINDINGS	RECOMMENDATIONS
Site		Potential atmospheric deposition of lead from former smelter site.	One to two samples collected at 10 random sampling locations (shallow and deeper). Refusal encountered using hand auger at multiple locations.	Five shallow soil borings installed where shallow refusal encountered during Phase II ESA.	Lead	Phase II/III_ Lead was detected above its laboratory reporting limit in each sample, but below its Act 2 standard.	No Further Action Recommended_ Although lead was detected at all sample locations, the concentrations do not exceed the most restrictive Act 2 standards (residential).
Bunker Tank		A suspected diesel fuel UST that was assoicated with an emergency generator within a former PEMA bunker located beneath the parking lot at Building #8.	Completed surface geophysical survey to assess for presence of existing tank or tank grave in the vicinity of where delivery line was identiffied from the bunker.	Installed three soil borings in vicinity where UST was suspected, collected one soil sample per boring.	PA Shortlist for Diesel Fuel	Geophysical survey was inconclusive. All targeted VOCs were non-detect.	No Further Action At This Time_ The suspected Bunker tank or tank grave was not confirmed. Therefore, it is recommended a special provision; be prepared to address removal of unanticipated USTs and/or impacted soil pursuant to applicable PA DEP guidance and regulations.

NOTES:

All results were compared to applicable Act 2 Non-residential criteria as specified in the data summary tables for each AOC.
Sampling activities completed pursuant to the approved Waste Investigation Plan
AOC- Area of Concern
PA DEP - Pennsylvania Department of Environmental Protection
VOC- Volatile Organic Compounds
SVOC- Semi-Volatile Organic Compounds
PCB-Polchlorinated Biphenyls
UST/AST-Underground/Aboveground Storage Tank

Table AOC-1 (Building 28_Garage)
Phase III Soil Sampling Analytical Detection Results
Former State Hospital
Hamburg, PA

Client ID	PA DEP Selected Non-Residential ACT 2 Criteria	AOC1-1(9-9.5)		AOC1-2(6-6.5)		AOC1-3(6.5-7)		DUP-1		AOC1-4(8.5-9)		AOC1-5(4.5-5)	
Lab Sample ID		410-279100-3		410-279100-4		410-279100-5		410-279100-8		410-279100-6		410-279100-7	
Sampling Date		4/28/2026		4/28/2026		4/28/2026		4/28/2026		4/28/2026		4/28/2026	
Matrix		Solid		Solid		Solid		Solid		Solid		Solid	
		Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL
SVOCs in UG/KG													
Benzo[a]anthracene	340,000	ND	3.6	ND	3.7	78	40	97	37	ND	3.7	1000	36
Benzo[a]pyrene	46,000	ND	3.6	ND	3.7	90	40	91	37	ND	3.7	870	36
Benzo[b]fluoranthene	170,000	ND	3.6	ND	3.7	110	40	110	37	ND	3.7	1200	36
Benzo[g,h,i]perylene	180,000	ND	3.6	ND	3.7	65	40	73	37	ND	3.7	540	36
Chrysene	230000	ND	3.6	ND	3.7	94	40	140	37	ND	3.7	1000	36
Indeno[1,2,3-cd]pyrene	18,000,000	ND	4.3	ND	4.4	53	47	69	45	ND	4.4	490	44
Pyrene	2,200,000	ND	3.6	ND	3.7	160	40	190	37	ND	3.7	1800	36
Metal in MG/KG													
Lead	450	19	0.078	19	0.078	27	0.084	35	0.082	27	0.083	16	0.076

- 1) Applicable standard was selected by first selecting the higher of 100XGW and Generic Value Non-Residential Groundwater MSC, then taking the lower of that Soil to Groundwater MSC and the Non-Residential Direct Contact M:
2) Shaded results represent an exceedence of the applicable Act 2 non-residential Statewide Health Standard (none identified/shaded).
3) No VOCs detected above laboratory reporting limits

Table AOC-2 (Building 43_New Boiler)
Phase II Soil Sampling Analytical Detection Results
Former State Hospital
Hamburg, PA

Client ID	PA DEP Selected Non-Residential ACT 2 Criteria	AOC2-1(0.85)		AOC2-2(0.5)		DUP-2	
Lab Sample ID		410-276055-3		410-276055-4		410-276055-5	
Sampling Date		4/14/2026		4/14/2026		4/14/2026	
Matrix		Solid		Solid		Solid	
		Result	MDL	Result	MDL	Result	MDL
VOCs in UG/KG							
Toluene	100,000	98	28	ND	43	ND	36
SVOCs in UG/KG							
Benzo[a]anthracene	130,000	84	3.8	820	38	2200	37
Benzo[a]pyrene	46,000	94	3.8	710	38	1800	37
Benzo[b]fluoranthene	76,000	120	3.8	960	38	2100	37
Benzo[g,h,i]perylene	180,000	58	3.8	470	38	950	37
Chrysene	230,000	110	3.8	900	38	2500	37
Indeno[1,2,3-cd]pyrene	76,000	55	4.5	450	45	980	45
Pyrene	2,200,000	140	3.8	1300	38	4000	37
Metal in MG/KG							
Lead	450	36	0.086	76	0.085	88	0.08

1) Applicable standard was selected by first selecting the higher of 100XGW and Generic Value Non-Residential Groundwater MSC, then taking the lower of that Soil to Groundwater MSC and the Non-Residential Direct Contact MSC.

2) Shaded results represent an exceedence of the applicable Act 2 non-residential Statewide Health Standard (none identified/shaded).

**Table AOC-4 (Emergency Diesel Generator)
Phase II Soil Sampling Analytical Results
Former State Hospital
Hamburg, PA**

Client ID	PA DEP Selected Non-Residential ACT 2 Criteria	AOC4-1 (0.5)		AOC4-2 (0.5)		AOC4-3 (0.5)	
Lab Sample ID		410-276061-1		410-276061-2		410-276061-3	
Sampling Date		4/14/2026		4/14/2026		4/14/2026	
Matrix		Solid		Solid		Solid	
		Result	MDL	Result	MDL	Result	MDL
VOCs in UG/KG							
Toluene	100,000	ND	1.1	ND	37	120	29

1) Applicable standard was selected by first selecting the higher of 100XGW and Generic Value Non-Residential Groundwater MSC, then taking the lower of that Soil to Groundwater MSC and the Non-Residential Direct Contact MSC.

2) Shaded results represent an exceedence of the applicable Act 2 non-residential Statewide Health Standard (none identified/shaded).

Table AOC-5 (Root Cellar)
Phase II Soil Sampling Analytical Detection Results
Former State Hospital, Hamburg, PA

Client ID	PA DEP Selected Non-Residential ACT 2 Criteria	AOC5-1(0.83')		DUP-1		AOC5-2(0.5')		AOC5-3(0.5')		AOC5-4(0.5')		AOC5-5(1.7')		AOC5-6(0.83)		AOC5-7(1.4)		AOC5-8(0.83)	
Lab Sample ID		410-275817-3		410-275817-7		410-275817-4		410-275817-5		410-275817-6		410-279533-2		410-279533-3		410-279533-4		410-279533-5	
Sampling Date		4/13/2026		4/13/2026		4/13/2026		4/13/2026		4/13/2026		4/29/2026		4/29/2026		4/29/2026		4/29/2026	
Matrix		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
		Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL
VOCs in UG/KG																			
1,2,4-Trimethylbenzene	300,000	31.0	1.1	1.9	1.1	ND	1.5	ND	1.4	ND	1.0	ND	1.1	ND	1.2	ND	1.3	ND	1.2
1,3,5-Trimethylbenzene	93,000	64.0	1.6	3.5	1.6	ND	2.2	ND	2.1	ND	1.6	ND	1.6	ND	1.8	ND	2	ND	1.7
Naphthalene	25,000	2.9	2.1	ND	2.1	ND	3	ND	2.8	ND	2.1	ND	2.2	ND	2.4	ND	2.7	ND	2.3
Toluene	100,000	1.9	1.1	ND	1.1	ND	1.5	ND	1.4	ND	1.0	ND	1.1	ND	1.2	ND	1.3	ND	1.2
SVOCs in UG/KG																			
Anthracene	350,000	4,600	38	87	78	ND	3.7	12.0	3.9	20.0	3.7	3.7	3.6	27.0	3.8	ND	4.1	5.0	3.6
Benzo[a]anthracene	130,000	8,500	38	280	78	8.1	3.7	46.0	3.9	94.0	3.7	10.0	3.6	79.0	3.8	4.3	4.1	15.0	3.6
Benzo[a]pyrene	46,000	5,700	38	230	78	5.8	3.7	35.0	3.9	76.0	3.7	6.4	3.6	54.0	3.8	ND	4.1	13.0	3.6
Benzo[b]fluoranthene	76,000	7,600	38	400	78	12.0	3.7	56.0	3.9	120.0	3.7	9.1	3.6	65.0	3.8	4.5	4.1	19.0	3.6
Benzo[g,h,i]perylene	180,000	3,300	38	180	78	6.9	3.7	28.0	3.9	56.0	3.7	5.6	3.6	36.0	3.8	ND	4.1	11.0	3.6
Chrysene	230,000	7,500	38	320	78	13.0	3.7	46.0	3.9	94.0	3.7	10.0	3.6	79.0	3.8	4.9	4.1	17.0	3.6
Fluorene	3,800,000	4,500	38	79	78	ND	3.7	4.8	3.9	9.6	3.7	ND	3.6	9.9	3.8	ND	4.1	ND	3.6
Indeno[1,2,3-cd]pyrene	76,000	3,500	46	150	93	6.7	4.5	25.0	4.7	54.0	4.5	5.4	4.4	37.0	4.6	ND	5	11.0	4.4
Phenanthrene	10,000,000	26,000	46	650	93	5.8	4.5	61.0	4.7	110.0	4.5	15.0	4.4	89.0	4.6	ND	5	12.0	4.4
Pyrene	2,200,000	15,000	38	550	78	9.5	3.7	82.0	3.9	170.0	3.7	18.0	3.6	140.0	3.8	6.9	4.1	26.0	3.6
PCBs in UG/KG																			
PCB-1260	46,000	32.0	7.3	120	37	ND	7.2	53.0	7.6	ND	7.1	40	7	200.0	7.3	16.0	7.9	110.0	7
Metals MG/KG																			
Antimony	27	0.160	0.083	0.120	0.088	0.210	0.083	0.1	0.089	0.13	0.09	0.22	0.084	0.18	0.087	2.7	0.46	0.14	0.082
Arsenic	29	8.30	0.14	7.50	0.15	5.90	0.14	5.80	0.15	4.00	0.14	9.1	0.14	8	0.15	61	0.77	4.6	0.14
Beryllium	320	1.000	0.025	0.650	0.026	0.260	0.025	0.670	0.027	0.250	0.025	1.2	0.025	0.98	0.026	2.2	0.028	1.1	0.024
Cadmium	38	2.200	0.042	1.900	0.044	0.220	0.042	0.110	0.045	0.340	0.042	2.1	0.042	23	0.044	0.63	0.23	0.75	0.041
Chromium	NA	24.00	0.4	15.00	0.42	5.70	0.4	13.00	0.43	6.90	0.41	26	0.4	22	0.42	22	0.44	22	0.39
Copper	43,000	23.00	0.19	19.00	0.2	13.00	0.19	21.00	0.2	12.00	0.19	31	0.19	38	0.2	41	0.21	27	0.18
Lead	450	20.000	0.079	20.000	0.084	45.000	0.079	38.000	0.085	17.000	0.081	19	0.08	26	0.083	48	0.44	25	0.078
Nickel	650	36.00	0.2	26.00	0.21	8.50	0.2	21.00	0.21	7.90	0.2	28	0.2	24	0.21	120	1.1	26	0.19
Selenium	26	ND	0.1	ND	0.11	0.11	0.1	0.12	0.11	0.15	0.11	ND	0.1	0.12	0.11	ND	0.12	ND	0.1
Thallium	14	0.380	0.041	0.250	0.043	0.061	0.041	0.086	0.044	0.069	0.042	0.14	0.041	0.3	0.043	0.46	0.23	0.18	0.04
Zinc	12,000	84.0	4.2	53.0	4.4	19.0	4.2	53.0	4.5	25.0	4.2	79	4.2	78	4.4	110	4.6	77	4.1
Mercury	10	0.034	0.021	0.03	0.023	ND	0.022	ND	0.023	ND	0.021	0.028	0.022	0.059	0.023	0.1	0.024	0.021	0.02

1) Applicable standard was selected by first selecting the higher of 100XGW and Generic Value Non-Residential Groundwater MSC, then taking the lower of that Soil to Groundwater MSC and the Non-Residential Direct Contact MSC.

2) Shaded results represent an exceedence of the applicable Act 2 non-residential Statewide Health Standard (none identified/shaded).

**Table AOC-6 (Pad Mounted Electrical Transformers)
Phase II Soil Sampling Analytical Detection Results
Former State Hospital
Hamburg, PA**

Client ID		AOC6-1(0.5)		AOC6-2(0.5)		AOC6-3(0.5)		AOC6-4(0.5)		AOC6-5(0.5)		AOC6-6(0.5)		AOC6-7(0.5)		AOC6-8(0.5)		AOC6-9(0.5)		AOC6-10(0.5)		AOC6-11(0.5)		AOC6-12(0.5)		AOC6-13(0.5)		AOC6-14(0.5)		AOC6-15(0.5)	
Lab Sample ID	PA DEP Selected Non-Residential ACT 2 Criteria	10-276048-1		10-276048-2		10-276048-3		10-276048-4		10-276048-5		10-276048-6		10-276048-7		10-276048-8		10-276048-9		10-276048-10		10-276048-11		10-276048-12		10-276048-13		10-276048-14		10-276048-15	
Sampling Date		4/14/2026		4/14/2026		4/14/2026		4/14/2026		4/14/2026		4/14/2026		4/14/2026		4/14/2026		4/14/2026		4/14/2026		4/14/2026		4/14/2026		4/14/2026		4/14/2026		4/14/2026	
Matrix		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
		Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL
PCBs in UG/KG																															
PCB-1260	630,000	ND	7.4	ND	7.6	ND	7.3	ND	6.9	ND	7.6	ND	7.7	ND	7.6	ND	7.5	ND	7.7	ND	7.5	ND	7.3	ND	6.9	8.9	7.5	ND	7.2	ND	7.2

- 1) Applicable standard was selected by first selecting the higher of 100XGW and Generic Value Non-Residential Groundwater MSC, then taking the lower of that Soil to Groundwater MSC and the Non-Residential Direct Contact MSC.
2) Shaded results represent an exceedence of the applicable Act 2 non-residential Statewide Health Standard (none identified/shaded).

Table AOC-7 (Concrete Sludge Pad)
Phase II Soil Sampling Analytical Results
Former State Hospital
Hamburg, PA

Client ID		AOC7-1(1.0)		AOC7-2(1.0)		AOC7-3(1.5)		AOC7-4(1.5)		AOC7-5(1.0)	
Lab Sample ID	PA DEP Selected	410-275815-1		410-275815-2		410-275815-3		410-275815-4		410-275815-5	
Sampling Date	Non-Residential	4/13/2026		4/13/2026		4/13/2026		4/13/2026		4/13/2026	
Matrix	ACT 2 Criteria	Solid		Solid		Solid		Solid		Solid	
		Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL
Metals in MG/KG											
Antimony	27	64	0.087	0.25	0.089	0.33	0.091	0.39	0.092	0.55	0.092
Arsenic	29	2.1	0.14	1.4	0.15	12	0.15	6.9	0.15	8.4	0.15
Beryllium	320	0.28	0.026	0.14	0.027	1.1	0.027	0.98	0.027	1.2	0.027
Cadmium	38	0.28	0.043	ND	0.045	0.21	0.046	0.29	0.046	0.63	0.046
Chromium	NA	14	0.41	3.7	0.43	21	0.43	21	0.44	25	0.44
Copper	43,000	30	0.19	12	0.2	26	0.2	25	0.21	25	0.21
Lead	450	260	0.082	12	0.085	55	0.087	450	0.44	180	0.087
Nickel	650	16	0.21	8.2	0.21	23	0.22	26	0.22	26	0.22
Selenium	26	0.25	0.11	0.27	0.11	0.47	0.11	0.43	0.12	0.42	0.12
Silver	84	0.19	0.044	ND	0.045	ND	0.046	0.068	0.047	0.077	0.047
Thallium	14	0.048	0.042	ND	0.044	0.11	0.045	0.1	0.045	0.14	0.045
Zinc	12,000	180	4.3	15	4.5	150	4.6	720	4.6	370	4.6
Mercury	10	0.034	0.022	ND	0.021	0.042	0.022	0.16	0.023	0.058	0.023

- 1) Applicable standard was selected by first selecting the higher of 100XGW and Generic Value Non-Residential Groundwater MSC, then taking the lower of that Soil to Groundwater MSC and the Non-Residential Direct Contact MSC.
- 2) Shaded results represent an exceedence of the applicable Act 2 non-residential Statewide Health Standard (none identified/shaded).

**Table AOC-8 (Former Coal and Coal Ash Stockpiles)
Phase II Soil Sampling Analytical Detection Results
Former State Hospital
Hamburg, PA**

Client ID	PA DEP Selected Non-Residential ACT 2 Criteria	AOC8-1(0.5)		AOC8-2(0.5)		AOC8-3(0.5)		AOC8-4(0.5)		AOC8-5(0.5)	
Lab Sample ID		410-276059-1		410-276059-2		410-276059-3		410-276059-4		410-276059-5	
Sampling Date		4/14/2026		4/14/2026		4/14/2026		4/14/2026		4/14/2026	
Matrix		Solid		Solid		Solid		Solid		Solid	
		Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL
Metals in MG/KG											
Antimony	27	0.19	0.1	ND	0.083	ND	0.081	0.13	0.095	ND	0.084
Arsenic	29	4.4	0.17	5	0.14	4.9	0.14	4	0.16	3.6	0.14
Beryllium	320	0.63	0.031	1	0.025	1.2	0.024	1	0.028	1.7	0.025
Cadmium	38	0.13	0.051	0.062	0.041	ND	0.04	ND	0.048	ND	0.042
Chromium	NA	19	0.49	22	0.4	27	0.39	24	0.45	32	0.4
Copper	43,000	23	0.23	26	0.19	29	0.18	26	0.21	35	0.19
Lead	450	58	0.098	11	0.079	13	0.077	13	0.09	13	0.08
Nickel	650	16	0.24	27	0.2	31	0.19	24	0.23	41	0.2
Selenium	26	0.46	0.13	0.29	0.1	0.42	0.1	0.13	0.12	ND	0.11
Silver	84	ND	0.052	ND	0.042	ND	0.041	ND	0.048	ND	0.043
Thallium	14	0.11	0.05	0.13	0.041	0.14	0.04	0.14	0.047	0.12	0.041
Zinc	12,000	73	5.1	63	4.1	84	4	70	4.8	99	4.2
Mercury	10	ND	0.025	0.021	0.021	0.028	0.021	ND	0.024	ND	0.021

1) Applicable standard was selected by first selecting the higher of 100XGW and Generic Value Non-Residential Groundwater MSC, then taking the lower of that Soil to Groundwater MSC and the Non-Residential Direct Contact MSC.

2) Shaded results represent an exceedence of the applicable Act 2 non-residential Statewide Health Standard (none identified/shaded).

Table AOC-8 (Former Coal and Coal Ash Stockpiles)
Phase III Soil Sampling Analytical Detection Results
Former State Hospital

Client ID	PA DEP Selected Non-Residential Act 2 Criteria	AOC8-1(10.5-11)		AOC8-2(6.5-7)		DUP-2		AOC8-3(3-3.5)		AOC8-4(3-3.5)		AOC8-5(4-4.5)	
Lab Sample ID		410-280019-2		410-280019-3		410-280019-7		410-280019-4		410-280019-5		410-280019-6	
Sampling Date		4/30/2026		4/30/2026		4/30/2026		4/30/2026		4/30/2026		4/30/2026	
Matrix		Solid		Solid		Solid		Solid		Solid		Solid	
		Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL
Metals MG/KG													
Antimony	27	0.1	0.085	0.16	0.083	0.12	0.085	0.11	0.084	0.15	0.085	ND	0.084
Arsenic	29	3.2	0.14	6.7	0.14	5.9	0.14	3	0.14	3.6	0.14	1.4	0.14
Beryllium	320	0.73	0.025	1.4	0.025	1.3	0.025	0.83	0.025	1.8	0.025	1.6	0.025
Cadmium	38	0.091	0.043	ND	0.041	ND	0.043	ND	0.042	0.048	0.042	ND	0.042
Chromium	NA	19	0.41	29	0.4	26	0.41	25	0.4	32	0.41	37	0.4
Copper	43,000	23	0.19	35	0.19	32	0.19	22	0.19	45	0.19	36	0.19
Lead	450	18	0.081	23	0.079	25	0.081	11	0.08	17	0.081	6.5	0.08
Nickel	650	23	0.2	35	0.2	32	0.2	25	0.2	35	0.2	43	0.2
Selenium	26	ND	0.11	0.26	0.1	0.3	0.11	ND	0.11	ND	0.11	ND	0.11
Thallium	14	0.09	0.042	0.16	0.041	0.14	0.042	0.093	0.041	0.2	0.042	0.18	0.041
Zinc	1,200	62	4.3	91	4.1	84	4.3	78	4.2	100	4.2	100	4.2
Mercury	10	0.026	0.021	0.028	0.022	0.03	0.021	ND	0.021	0.024	0.02	ND	0.021

1) Applicable Criteria was selected by first selecting the higher of the 100XGW and Generica Value Non-Residential GW MSC, then taking the lower of that Soil to Groundwater MSC, and the applicable (by depth) Non-Residential Direct Contact MSC.

2) Shaded results represent an exceedence of the Applicable Act 2 Non-residential Statewide Heath standard (none identified none-shaded)

Table AOC-9 (Former Orchard)
Phase II Soil Sampling Analytical Detection Results
Former State Hospital
Hamburg, PA

Client ID	PADEP Selected/Applicable Non-Residential ACT 2 Criteria	AOC9-1(0.5)		AOC9-1(1.7)		AOC9-2(0.5)		AOC9-2(1.5)		AOC9-3(0.5)		AOC9-3(2)		AOC9-4(0.5)		AOC9-4(1.0)		AOC9-5(0.5)		AOC9-5(2)	
Lab Sample ID		410-275814-1		410-275814-2		410-275814-3		410-275814-4		410-275814-5		410-275814-6		410-275814-7		410-275814-8		410-275814-9		410-275814-10	
Sampling Date		4/13/2026		4/13/2026		4/13/2026		4/13/2026		4/13/2026		4/13/2026		4/13/2026		4/13/2026		4/13/2026		4/13/2026	
Matrix		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
		Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL
Pesticides in UG/KG																					
Endrin aldehyde	NA	ND	10	ND	4.9	ND	0.97	ND	0.96	1.4	0.97	ND	1	ND	19	ND	19	ND	19	ND	0.98
p,p'-DDE	170,000	ND	8.2	ND	4	1.2	0.8	ND	0.79	1	0.8	ND	0.82	ND	16	ND	16	ND	16	ND	0.81
Metals in MG/KG																					
Antimony	27	0.25	0.09	0.13	0.09	0.16	0.09	0.095	0.09	0.18	0.09	0.15	0.09	0.2	0.09	0.13	0.09	0.14	0.09	0.13	0.09
Arsenic	29	19	0.15	7.5	0.14	11	0.14	7.4	0.14	11	0.14	9	0.15	23	0.15	7.8	0.14	12	0.14	11	0.16
Beryllium	320	1.4	0.03	1.3	0.03	1.1	0.03	1.5	0.03	1.1	0.03	0.92	0.03	1.3	0.03	0.8	0.03	1.1	0.03	1.5	0.03
Cadmium	38	0.19	0.04	0.059	0.04	0.15	0.04	ND	0.04	0.19	0.04	ND	0.05	0.16	0.05	0.061	0.04	0.14	0.04	0.054	0.05
Chromium	NA	28	0.41	33	0.41	28	0.41	32	0.41	28	0.41	28	0.43	29	0.43	23	0.41	26	0.41	35	0.44
Copper	43,000	35	0.2	31	0.19	37	0.19	44	0.19	36	0.19	24	0.2	56	0.2	38	0.19	38	0.19	39	0.21
Lead	450	46	0.08	21	0.08	36	0.08	16	0.08	33	0.08	16	0.09	47	0.09	14	0.08	36	0.08	20	0.09
Nickel	650	29	0.21	35	0.2	29	0.21	41	0.2	31	0.2	28	0.21	31	0.21	23	0.2	29	0.21	40	0.22
Selenium	26	0.42	0.11	0.3	0.11	0.39	0.11	0.3	0.11	0.37	0.11	0.44	0.11	0.41	0.11	0.37	0.11	0.34	0.11	0.6	0.12
Silver	84	0.21	0.04	0.046	0.04	0.43	0.04	ND	0.04	0.16	0.04	ND	0.05	0.08	0.05	ND	0.04	0.21	0.04	0.054	0.05
Thallium	14	0.15	0.04	0.13	0.04	0.12	0.04	0.093	0.04	0.14	0.04	0.15	0.04	0.16	0.04	0.11	0.04	0.12	0.04	0.15	0.05
Zinc	12,000	92	4.3	88	4.3	96	4.3	100	4.3	98	4.3	77	4.5	99	4.5	66	4.3	98	4.3	110	4.7
Mercury	10	0.26	0.02	0.042	0.02	0.19	0.02	ND	0.02	0.11	0.02	ND	0.02	0.047	0.02	ND	0.02	0.75	0.02	0.12	0.02

1) Applicable Criteria was selected by first selecting the higher of the 100XGW and Generica Value Non-Residential GW MSC, then taking the lower of that Soil to Groundwater MSC, and the applicable (by depth) Non-Residential Direct Contact MSC.

2) Shaded results represent an exceedence of the Applicable Act 2 Non-residential Statewide Heath standard (none identified none- shaded)

**Table AOC-10 (Former Salt Storage Building)
Phase II Sampling Analytical Detection Results
Former State Hospital
Hamburg, PA**

Client ID	PA DEP Selected Non-Residential Act 2 Criteria	AOC10-1(0.5)		AOC10-2(1.0)		AOC10-3(0.5)		AOC10-4(1.0)	
Lab Sample ID		410-275813-1		410-275813-2		410-275813-3		410-275813-4	
Sampling Date		4/13/2026		4/13/2026		4/13/2026		4/13/2026	
Matrix		Solid		Solid		Solid		Solid	
		Result	MDL	Result	MDL	Result	MDL	Result	MDL
Metals in MG/KG									
Antimony	27	ND	0.08	0.085	0.08	0.16	0.09	0.44	0.09
Arsenic	29	6.9	0.14	7.1	0.13	13	0.15	5.4	0.14
Beryllium	320	0.82	0.02	0.82	0.02	1.6	0.03	1.2	0.03
Cadmium	38	0.067	0.04	0.075	0.04	0.12	0.04	0.16	0.04
Chromium	NA	10	0.39	10	0.38	28	0.41	29	0.41
Copper	43,000	8.8	0.19	7.6	0.18	28	0.2	79	0.19
Lead	450	6.1	0.08	11	0.08	23	0.08	190	0.08
Nickel	650	14	0.2	13	0.19	37	0.21	35	0.2
Selenium	26	0.13	0.1	ND	0.1	0.22	0.11	0.24	0.11
Silver	84	ND	0.04	ND	0.04	ND	0.04	0.087	0.04
Thallium	14	0.15	0.04	0.13	0.04	0.13	0.04	0.11	0.04
Zinc	1,200	22	4.1	19	4	90	4.3	150	4.3
Mercury	10	ND	0.02	ND	0.02	0.031	0.02	0.073	0.02

1) Applicable Criteria was selected by first selecting the higher of the 100XGW and Generica Value Non-Residential GW MSC, then taking the lower of that Soil to Groundwater MSC, and the applicable (by depth) Non-Residential Direct Contact MSC.

2) Shaded results represent an exceedence of the Applicable Act 2 Non-residential Statewide Heath standard (none identified none- shaded)

Table AOC-10 (Former Salt Storage Building)
Phase III Sampling Analytical Detection Results
Former State Hospital
Hamburg, PA

Client ID	PA DEP Selected Non-Residential Act 2 Criteria	AOC10-1(5-5.5)		AOC10-2(6-6.5)		AOC10-3(5-5.5)		AOC10-4(2-2.5)	
Lab Sample ID		410-279611-1		410-279611-2		410-279611-3		410-279611-4	
Sampling Date		4/29/2026		4/29/2026		4/29/2026		4/29/2026	
Matrix		Solid		Solid		Solid		Solid	
		Result	MDL	Result	MDL	Result	MDL	Result	MDL
Metals in MG/KG									
Antimony	27	0.12	0.08	0.12	0.09	0.091	0.09	0.21	0.08
Arsenic	29	4	0.13	6.4	0.16	4.3	0.15	3.1	0.13
Beryllium	320	0.86	0.02	0.93	0.03	0.86	0.03	1.1	0.02
Chromium	NA	29	0.38	32	0.45	23	0.43	27	0.38
Copper	43,000	23	0.18	27	0.21	19	0.2	27	0.18
Lead	450	14	0.08	15	0.09	11	0.09	13	0.08
Nickel	650	19	0.19	20	0.22	20	0.21	25	0.19
Selenium	26	0.14	0.1	0.39	0.12	0.28	0.11	0.12	0.1
Thallium	14	0.098	0.04	0.14	0.05	0.13	0.04	0.064	0.04
Zinc	1,200	74	4	70	4.7	71	4.5	84	4

1) Applicable Criteria was selected by first selecting the higher of the 100XGW and Generica Value Non-Residential GW MSC, then taking the lower of that Soil to Groundwater MSC, and the applicable (by depth) Non-Residential Direct Contact MSC.

2) Shaded results represent an exceedence of the Applicable Act 2 Non-residential Statewide Heath standard (none identified none- shaded)

Table AOC-11 (Former WWTP)
Phase II Soil Sampling Analytical Detection Results
Former State Hospital
Hamburg, PA

Client ID	PA DEP Selected Non-Residential Act 2 Criteria	AOC11-1(0.5)		AOC11-2(0.5)	
Lab Sample ID		410-275816-1		410-275816-2	
Sampling Date		4/13/2026		4/13/2026	
Matrix		Solid		Solid	
		Result	MDL	Result	MDL
VOCs in UG/KG					
1,2-Dibromoethane	5	1.3	1	ND	1.6
2-Butanone	400,000	26	2.9	10	4.5
2-Hexanone	26,000	4.8	3.6	ND	5.6
Acetone	8,800,000	270	8.7	180	13
Carbon disulfide	620,000	1.2	1.2	ND	1.8
Methyl acetate	1,800,000	5	1.4	2.4	2.2
Tetrachloroethene	500	2.6	2.2	ND	3.4
Toluene	100000	2.1	1.4	ND	2.2
SVOCs in UG/KG					
Benzo[a]anthracene	130,000	360	3.8	37	3.7
Benzo[a]pyrene	46,000	320	3.8	30	3.7
Benzo[b]fluoranthene	76,000	490	3.8	59	3.7
Benzo[g,h,i]perylene	180,000	260	3.8	26	3.7
Benzo[k]fluoranthene	76,000	180	3.8	17	3.7
Chrysene	23,000	470	3.8	42	3.7
Dibenz(a,h)anthracene	22,000	84	7.7	ND	7.4
Di-n-octyl phthalate	10,000,000	99	77	ND	74
Fluoranthene	3,200,000	430	3.8	69	3.7
Fluorene	3,800,000	ND	3.8	3.8	3.7
Indeno[1,2,3-cd]pyrene	76,000	260	4.6	24	4.4
Naphthalene	25,000	12	7.7	ND	7.4
Phenanthrene	110,000	190	4.6	23	4.4
Pyrene	2,200,000	480	3.8	63	3.7
Metals in MG/KG					
Antimony	27	0.21	0.04	0.078	0.04
Arsenic	29	1.8	0.07	0.83	0.07
Beryllium	320	0.17	0.01	0.1	0.01
Cadmium	38	0.93	0.02	0.44	0.02
Chromium	NA	6.1	0.2	3.1	0.2
Copper	43000	18	0.1	10	0.09
Lead	450	120	0.04	31	0.04
Nickel	650	6.9	0.1	4.1	0.1
Selenium	26	0.19	0.05	0.13	0.05
Silver	84	0.044	0.02	ND	0.02
Thallium	14	0.057	0.02	0.025	0.02
Zinc	1200	510	42	81	2
Mercury	10	ND	0.02	0.036	0.02

- 1) Applicable Criteria was selected by first selecting the higher of the 100XGW and Generica Value Non-Residential GW MSC, then taking the lower of that Soil to Groundwater MSC, and the applicable (by depth) Non-Residential Direct Contact MSC.
- 2) Shaded results represent an exceedence of the Applicable Act 2 Non-residential Statewide Heath standard (none identified none-shaded)

TABLE Site Wide Lead
Phase II Soil Sampling Analytical Detection Results
Former State Hospital
Hamburg, PA

Client ID	PA DEP Selected Non-Residential Act 2 Criteria	Site-1(0.5)		Site-2(0.5)		DUP-3		Site-3(0.5)		Site-4(0.5)		Site-5(0.5)		Site-5(2)		Site-6(0.5)	
Lab Sample ID		410-276643-2		410-276643-3		410-276643-14		410-276643-4		410-276643-5		410-276643-6		410-276643-7		10-276643-8	
Sampling Date		4/15/2026		4/15/2026		4/15/2026		4/15/2026		4/15/2026		4/15/2026		4/15/2026		4/15/2026	
Matrix		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
		Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL
Metals MG/KG																	
Lead	450	23	0.09	79	0.088	91	0.09	48	0.09	16	0.08	21	0.08	20	0.09	38	0.08

Client ID	PA DEP Selected Non-Residential Act 2 Criteria	Site-7(0.5)		Site-8(0.5)		Site-8(2)		Site-9(0.5)		DUP-4		Site-10(0.5)		Site-10(2)	
Lab Sample ID		410-276643-9		410-276643-10		410-276643-11		410-276643-12		410-276643-16		410-276643-13		410-276643-14	
Sampling Date		4/15/2026		4/15/2026		4/15/2026		4/15/2026		4/15/2026		4/15/2026		4/15/2026	
Matrix		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
		Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL
Metals MG/KG															
Lead	450	45	0.09	39	0.086	8.6	0.087	17	0.09	21	0.08	27	0.08	21	0.09

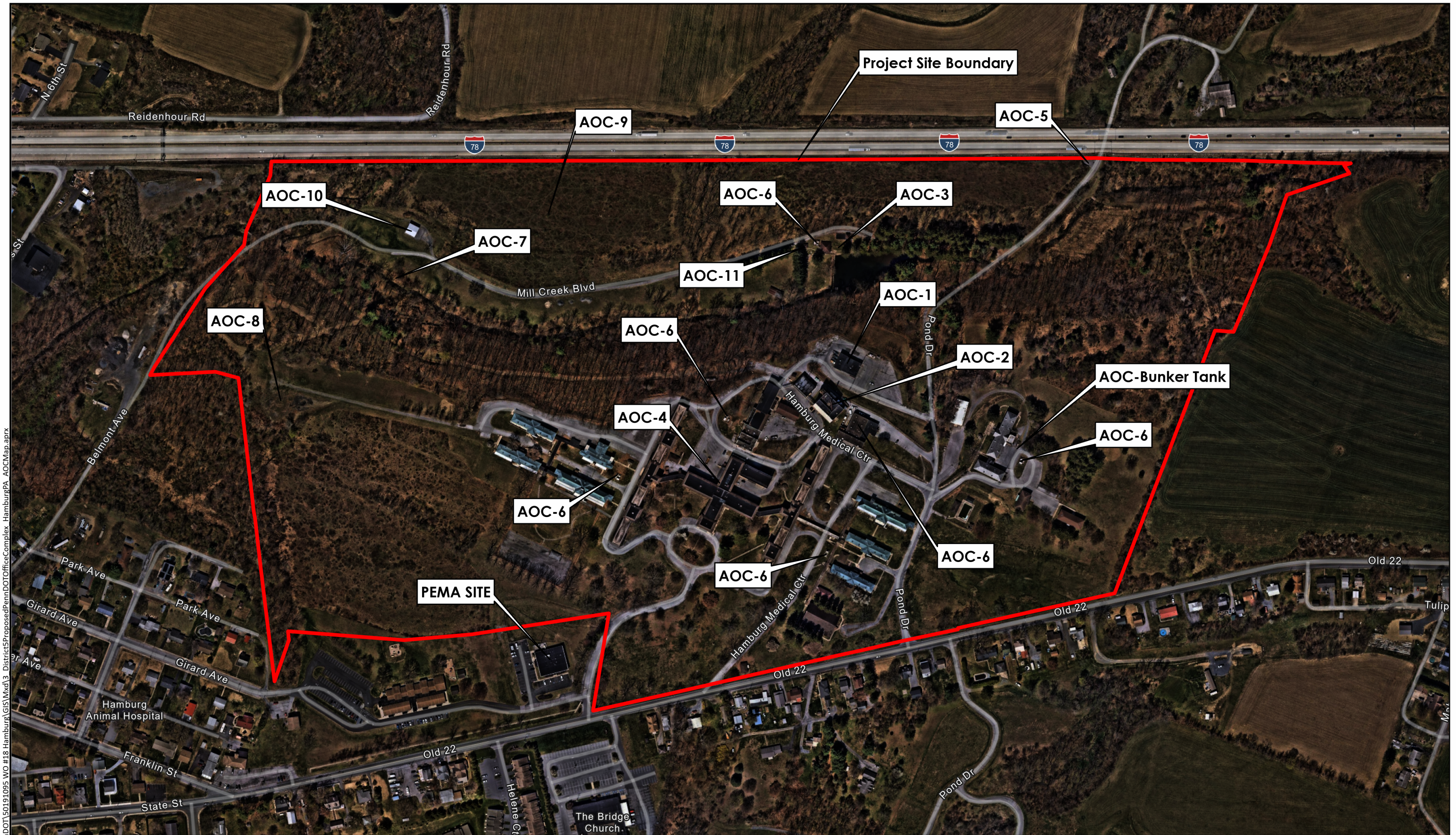
- 1) Applicable Criteria was selected by first selecting the higher of the 100XGW and Generica Value Non-Residential GW MSC, then taking the lower of that Soil to Groundwater MSC, and the applicable (by depth) Non-Residential Direct Contact MSC.
- 2) Shaded results represent an exceedence of the Applicable Act 2 Non-residential Statewide Heath standard (none identified none- shaded)

**Table Site Wide Lead Sampling
Phase III Soil Sampling Analytical Detection Results
Former State Hospital
Hamburg, PA**

Client ID	PA DEP Selected Non-Residential Act 2 Criteria	Site-1(2')		Site-2(2')		Site-4(2')		Site-6(2')		Site-9(2')	
Lab Sample ID		410-280021-1		410-280021-2		410-280021-3		410-280021-4		410-280021-5	
Sampling Date		4/30/2026		4/30/2026		4/30/2026		4/30/2026		4/30/2026	
Matrix		Solid		Solid		Solid		Solid		Solid	
		Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL
Metals in MG/KG											
Lead	450	23	0.08	24	0.08	17	0.08	16	0.08	15	0.09

1) Applicable Criteria was selected by first selecting the higher of the 100XGW and Generica Value Non-Residential GW MSC, then taking the lower of that Soil to Groundwater MSC, and the applicable (by depth) Non-Residential Direct Contact MSC.

2) Shaded results represent an exceedence of the Applicable Act 2 Non-residential Statewide Heath standard (none identified none- shaded)



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PennDOT Bureau of Operations
Proposed PennDOT Office Complex
3560 Old U.S. 22
Figure 1 - Area of Concern Map
Windsor Twp., Berks County, PA
Project No. 50139595

6/23/2026

LEGEND
AOC - Areas of Concern

