



Board of Aldermen Request for Action

MEETING DATE: 10/7/2025

DEPARTMENT: Public Works

AGENDA ITEM: Resolution 1513, acknowledging the emergency expenditure and approval of Change Order No. 1 with for the replacement of the filter underdrain system at the water treatment plant with David E. Ross Construction.

REQUESTED BOARD ACTION

A motion to approve Resolution 1513, acknowledging the emergency expenditure and approval of Change Order No. 1 for the replacement of the filter underdrain system at the water treatment plant with David E. Ross Construction.

SUMMARY

The Water Treatment Plant Improvement project was awarded to Ross Construction and currently progressing. The improvements include installation of new carbon and lime feeders (complete), new valves and actuators and repainting the piping gallery (complete), and replacement of the underdrain system in filter #3 and the replacement of all filter media.

Filters #1 and #2 were constructed with the original plant in the 1970's.

When the filter media in Filter #1 was removed, the underdrain piping was found to be an asbestos cement pipe. The pipe is in good shape and not deteriorated, however due to the material it is the recommendation of staff and engineers to replace the piping.

Samples of the water and media were taken and sent to a lab to test for asbestos. All sample results are "non-detect", indicating that no asbestos fibers were found in the water. Under the Safe Drinking Water Act, the EPA has established limits for asbestos in drinking water. The limit for asbestos (fiber > 10 micrometers) is 7 million fibers per liter. However, our samples are indicating there were no fibers detected in our water.

Since filters #1 and #2 were built at the same time, we believe Filter #2 will have the same piping and both underdrain systems will need to be replaced.

Ross Construction cannot directly hire the abatement company. For hazardous materials the owner has to be responsible from "cradle to grave" for the materials. Ross' cost to replace the underdrain system is \$173,997.65.

B&R Insulation has provided a cost to remove the asbestos piping and properly dispose of it for an amount of \$19,230. Resolution 1516 provides acknowledgement of this expense.

Total cost for all the work to remove, replace and dispose of the asbestos piping is \$193,227.

PREVIOUS ACTION

The water treatment plant, project RFP#24-01, was awarded to David E. Ross Construction, March 5, 2024, in an amount of \$1,363,800 (Res 1325).

POLICY ISSUE

Facility / infrastructure maintenance

FINANCIAL CONSIDERATIONS

The filter underdrain systems will be budgeted through the Combined Water and Wastewater Fund Capital Improvement Plan (CIP). The filters will be approved in FY2025 but expensed and added to the FY2026 CIP.

ATTACHMENTS

- | | |
|--|-----------------------------------|
| ☐ Ordinance | ☐ Contract |
| ☒ Resolution | ☐ Plans |
| ☐ Staff Report | ☐ Minutes |
| ☐ Other: Lab Results | |

RESOLUTION 1513

A RESOLUTION ACKNOWLEDGING THE EMERGENCY EXPENDITURE AND APPROVAL OF CHANGE ORDER NO. 1 FOR THE REPLACEMENT OF THE FILTER UNDERDRAIN SYSTEM AT THE WATER TREATMENT PLANT WITH DAVID E. ROSS CONSTRUCTION

WHEREAS, the City entered into an agreement with David E. Ross Construction to complete the Water Treatment Plant Improvement Project, RFP 24-01; and,

WHEREAS, the project scope included the replacement of the filter media for all five filters; and

WHEREAS, filters #1 and #2 were constructed with the original plant construction and the underdrain system contains asbestos piping; and

WHEREAS, it is the recommendation to remove the underdrain system and replace the material with stainless steel; and

WHEREAS, David E. Ross Construction has provided a price of \$173,997.65 to replace the underdrain system.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI, AS FOLLOWS:

THAT the Board acknowledges and authorizes the emergency expenditure and approval of Change Order No. 1 for the replacement of the filter underdrain systems of Filters #1 and #2 with David E. Ross Construction in an amount of \$173,997.65.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Smithville, Missouri, the 7th day of October 2025.

Damien Boley, Mayor

ATTEST:

Linda Drummond, City Clerk



September 24, 2025

David Schuerger
City of Smithville WWTP
1 Helvey Park Rd
Smithville, MO 64089

RE: Project: RUSH ASBESTOS
Pace Project No.: 60482788

Dear David Schuerger:

Enclosed are the analytical results for sample(s) received by the laboratory on September 22, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'John D. Stanton'.

John Stanton
john.stanton@pacelabs.com
(913)599-5665
PM Lab Management

Enclosures

cc: Melissa Green, City of Smithville WWTP
Bob Lemley, City of Smithville WWTP
Utilities, City of Smithville WWTP



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



SAMPLE SUMMARY

Project: RUSH ASBESTOS

Pace Project No.: 60482788

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60482788001	FILTER #2 EFFLUENT	Water	09/22/25 07:50	09/22/25 09:00
60482788002	EFFLUENT COMP	Water	09/22/25 08:00	09/22/25 09:00

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

W0# : 60482788



DC#_Title: ENV-FRM-LENE-0009_Samp



60482788

Revision: 2

Effective Date: 01/12/2022

Issued By: Lenexa

Client Name: City of SmithvilleCourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☒ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☒ Other ☐Thermometer Used: T301 Type of Ice: Wet Blue ☐ None ☐Cooler Temperature (°C): As-read 5.3 Corr. Factor — Corrected 5.3Date and initials of person examining contents: DF 7/22

Temperature should be above freezing to 6°C

Chain of Custody present:	☒ Yes ☐ No ☐ N/A	
Chain of Custody relinquished:	☒ Yes ☐ No ☐ N/A	
Samples arrived within holding time:	☒ Yes ☐ No ☐ N/A	
Short Hold Time analyses (<72hr):	☐ Yes ☐ No ☒ N/A	
Rush Turn Around Time requested:	☐ Yes ☐ No ☒ N/A	
Sufficient volume:	☒ Yes ☐ No ☐ N/A	
Correct containers used:	☒ Yes ☐ No ☐ N/A	
Pace containers used:	☒ Yes ☐ No ☐ N/A	
Containers intact:	☒ Yes ☐ No ☐ N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐ Yes ☐ No ☒ N/A	
Filtered volume received for dissolved tests?	☐ Yes ☐ No ☒ N/A	
Sample labels match COC: Date / time / ID / analyses	☒ Yes ☐ No ☐ N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	☐ Yes ☒ No ☐ N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#:	☐ Yes ☐ No ☒ N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐ Yes ☐ No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐ Yes ☐ No	
Trip Blank present:	☐ Yes ☐ No ☒ N/A	
Headspace in VOA vials (>6mm):	☐ Yes ☐ No ☒ N/A	
Samples from USDA Regulated Area: State:	☐ Yes ☐ No ☒ N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____

[illegible]

Client: City of Smithville

Profile/EZ # E2 3303781

Site: Asbestos

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3B	BP3Z	WPDU	ZPLC	Other
1	WT																													
2																			2											
3																			2											
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

Container Codes

Glass		Plastic		Misc.	
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar	BP1B	1L NAOH plastic
DG9H	40mL HCl amber vial	WGFU	4oz clear soil jar	BP1N	1L HNO3 plastic
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar	BP1S	1L H2SO4 plastic
DG9Q	40mL TSP amber vial	JG5U	4oz unpreserved amber wide	BP1U	1L unpreserved plastic
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass	BP1Z	1L NaOH, Zn Acetate
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass	BP2B	500mL NAOH plastic
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass	BP2N	500mL HNO3 plastic
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass	BP2S	500mL H2SO4 plastic
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Acetate
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic - field filtered
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass	BP3S	250mL H2SO4 plastic
		AG5U	100mL unpres amber glass	BP3Z	250mL NaOH, Zn Acetate
				BP4U	125mL unpreserved plastic
				BP4N	125mL HNO3 plastic
				BP4S	125mL H2SO4 plastic
				WPDU	16oz unpreserved plastic

Work Order Number:

WO#: 60482788

PM: JS Due Date: 10/01/25
CLIENT: Smithville



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order ID: 042519043
Customer ID: PACA25
Customer PO: 60482788
Project ID:

Attn: John Stanton
Pace Analytical Services, LLC
9608 Loiret Blvd
Lenexa, KS 66219

Phone: (913) 599-5665
Fax:
Received: 09/23/2025
Analyzed: 09/23/2025

Proj: 60482788/Asbestos

Test Report: Determination of Asbestos Structures > 10µm in Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm ²)	Area Analyzed (mm ²)	ASBESTOS				
					Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
					MFL (million fibers per liter)				
Filter #2 Effluent 042519043-0001	9/23/2025 11:19 AM	50	1330	0.1430	None Detected	ND	0.19	<0.19	0.00 - 0.69
Collection Date/Time: 09/22/2025 07:50 AM									
Effluent Comp 042519043-0002	9/23/2025 11:27 AM	50	1330	0.1430	None Detected	ND	0.19	<0.19	0.00 - 0.69
Collection Date/Time: 09/22/2025 08:00 AM									

Bottle supplied by client.

Analyst(s)

Daniel Blake (2)

Samantha Sweeney, Laboratory Manager
or Other Approved Signatory

Any questions please contact Samantha Rundstrom-Cruz.

Initial report from: 09/24/2025 00:24:48

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty is available on request. Sample collection and containers provided by the client, acceptable bottle blank level is defined as $\leq 0.01 \text{ MFL} > 10\mu\text{m}$. ND=None Detected. No Fibers Detected: the value will be reported as less than 369% of the concentration equivalent to one fiber. 1 to 4 fibers: The result will be reported as less than the corresponding upper 95% confidence limit (Poisson), 5 to 30 fibers: Mean and 95% confidence intervals will be reported on the basis of the Poisson assumption. When more than 30 fibers are counted, both the Gaussian 95% confidence interval and the Poisson 95% confidence interval will be calculated. The large of these two intervals will be selected for data reporting. When the Gaussian 95% confidence interval is selected for data reporting, the Poisson will also be noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAC NJ DEP 03036, PA ID# 68-00367

ACT

14953 W. 101st Terrace
Lenexa, Kansas 66215
913-492-1337

September 23, 2025

B&R Insulation, Inc.
15001 W 101st Terrace
Lenexa, KS 66215

PROJECT: Smithville Waste Treatment
REPORT NO. B-87648

Enclosed please find results for bulk samples submitted to our laboratory for asbestos analysis from the above referenced project.

The asbestos analysis was performed using Polarized Light Microscopy (PLM) with dispersion staining in accordance with the required EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples, as found in 40 CFR, Part 763, Subpart E, Appendix E.

The asbestos fiber type and percentage are reported. The method of measurement is based on calibrated visual estimation. The data provided herein is related only to those samples submitted for analysis. Samples comprised of **greater than one percent (1%) asbestos** are to be considered an asbestos containing material.

Verification by PLM point counting is available upon request. Due to limitations of the PLM microscope and the matrix of floor tile, any floor tile sample found to contain NO asbestos may be verified by TEM analysis upon the client's request. An additional fee will apply.

If samples submitted are not homogeneous, sub-samples of the components are analyzed separately as layers. A composite result may be requested.

This report may not be used by the client to claim product endorsement by NIST, NVLAP or any agency of the U.S. Government. This report shall not be reproduced, except in full, without the written approval of ACT.

If you have any questions, please contact me at 913-492-1337.

Respectfully submitted,



Tami L. Van
Laboratory Director



TESTING

NVLAP Lab Code: 101649-0

Asbestos Bulk Analysis Laboratory Report

Client Name: B&R Insulation, Inc.
Project Name: Smithville Water Treatment

REPORT NO.: B-87648
RUSH TAT _____

Date collected: 9/22/2025
Collected by: P Van

Submitted by: P Van
Date received: 9/23/2025

ANALYST: Tami Van

Analysis date: 9/23/2025

Sample No./Lab ID: <u>1 / B87648-1</u>		Type of Material: <u>Filter medium waste pile</u>		
Layer No.: _____		Description of Material: <u>Black loose granular</u>		
<u>Asbestos Fiber Type</u>	<u>Percentage</u>	<u>Non-Asbestos Fiber Type</u>	<u>Percentage</u>	<u>Non-Fibrous Percentage</u>
NONE DETECTED				Bulk/Binder 100

Sample No./Lab ID: <u>2 / B87648-2</u>		Type of Material: <u>Filter medium waste pile</u>		
Layer No.: _____		Description of Material: <u>Black loose granular</u>		
<u>Asbestos Fiber Type</u>	<u>Percentage</u>	<u>Non-Asbestos Fiber Type</u>	<u>Percentage</u>	<u>Non-Fibrous Percentage</u>
NONE DETECTED				Bulk/Binder 100

Sample No./Lab ID: _____		Type of Material: _____		
Layer No.: _____		Description of Material: _____		
<u>Asbestos Fiber Type</u>	<u>Percentage</u>	<u>Non-Asbestos Fiber Type</u>	<u>Percentage</u>	<u>Non-Fibrous Percentage</u>
				Bulk/Binder

Sample No./Lab ID: _____		Type of Material: _____		
Layer No.: _____		Description of Material: _____		
<u>Asbestos Fiber Type</u>	<u>Percentage</u>	<u>Non-Asbestos Fiber Type</u>	<u>Percentage</u>	<u>Non-Fibrous Percentage</u>
				Bulk/Binder

Sample No./Lab ID: _____		Type of Material: _____		
Layer No.: _____		Description of Material: _____		
<u>Asbestos Fiber Type</u>	<u>Percentage</u>	<u>Non-Asbestos Fiber Type</u>	<u>Percentage</u>	<u>Non-Fibrous Percentage</u>
				Bulk/Binder

Asbestos Chain of Custody / Analysis Request

Lab Report No.: B87648

PLM	
☒	Bulk
☐	Wipe

PCM
NIOSH Method 7400

Customer: B & R Insulation
Address: 15001 W. 101st Terr.
City/State/Zip: Lenexa, KS. 66215
Email: _____
Contact: _____
Phone: (913) 492-1346

Collected by: P. Van
Date: 9/22/23

Turnaround Time
Rush/Same Day *
24 Hour

Report results via:
Phone _____ Email ☒

Project No.: _____ PO No.: _____

**Call for availability*
Date Required: _____

***Composite result if Sheetrock/Joint compound sample is positive _____

[illegible][illegible]

Refringished by	Date/Time	Received by	Date/Time
	9/22/05	Dani Doo	9/23/25

Comments/Instructions