



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

July 21, 2025

Heather Malone
Lake St. Louis Community Association
100 COGNAC COURT
LAKE ST LOUIS, MO 63367

RE: Peruque Creek & LSL Effluent

Dear Heather Malone:

Please find enclosed the analytical results for the **8** sample(s) the laboratory received on **7/14/25 1:20 pm** and logged in under work order **IG02433**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise . We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

A handwritten signature in black ink, reading 'Jon Robert Handshy'.

Jon Robert Handshy
Analyst
(314) 595-7337
Jon.Robert.Handshy@pacelabs.com



ANALYTICAL RESULTS

Sample: IG02433-01
Name: Ruger Park
Matrix: Waste Water - Grab

Sampled: 07/13/25 13:00
Received: 07/14/25 13:20

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>General Chemistry - STL</u>									
Solids - total suspended solids (TSS)	18	mg/L		07/15/25 11:56	1	4.0	07/15/25 17:55	AAG	SM 2540D
<u>Microbiology - STL</u>									
E. coli	727	MPN/100 mL	Ht	07/14/25 16:12	1	10	07/14/25 16:12	AAG	SM 9223B - QT*
<u>Total Metals - STL</u>									
Phosphorus	< 0.0556	mg/L		07/17/25 10:30	1	0.0556	07/17/25 15:06	BCH	EPA 200.7 REV 4.4

Sample: IG02433-02
Name: Skunk Creek
Matrix: Waste Water - Grab

Sampled: 07/14/25 11:30
Received: 07/14/25 13:20

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>General Chemistry - STL</u>									
Solids - total suspended solids (TSS)	25	mg/L		07/15/25 11:56	1	4.0	07/15/25 17:55	AAG	SM 2540D
<u>Microbiology - STL</u>									
E. coli	231	MPN/100 mL		07/14/25 16:12	1	10	07/14/25 16:12	AAG	SM 9223B - QT*
<u>Total Metals - STL</u>									
Phosphorus	< 0.0556	mg/L		07/17/25 10:30	1	0.0556	07/17/25 15:15	BCH	EPA 200.7 REV 4.4



ANALYTICAL RESULTS

Sample: IG02433-03
Name: Archer
Matrix: Waste Water - Grab

Sampled: 07/13/25 09:40

Received: 07/14/25 13:20

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>General Chemistry - STL</u>									
Solids - total suspended solids (TSS)	5.2	mg/L		07/15/25 11:56	1	4.0	07/15/25 17:55	AAG	SM 2540D
<u>Microbiology - STL</u>									
E. coli	457 MPN/100 mL		Ht	07/14/25 16:12	1	10	07/14/25 16:12	AAG	SM 9223B - QT*
<u>Total Metals - STL</u>									
Phosphorus	0.303	mg/L		07/17/25 10:30	1	0.0556	07/17/25 15:18	BCH	EPA 200.7 REV 4.4

Sample: IG02433-04
Name: Highway T
Matrix: Waste Water - Grab

Sampled: 07/13/25 10:50

Received: 07/14/25 13:20

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>General Chemistry - STL</u>									
Solids - total suspended solids (TSS)	< 4.0	mg/L		07/15/25 11:56	1	4.0	07/15/25 17:55	AAG	SM 2540D
<u>Microbiology - STL</u>									
E. coli	75 MPN/100 mL		Ht	07/14/25 16:12	1	10	07/14/25 16:12	AAG	SM 9223B - QT*
<u>Total Metals - STL</u>									
Phosphorus	0.136	mg/L		07/17/25 10:30	1	0.0556	07/17/25 15:21	BCH	EPA 200.7 REV 4.4



ANALYTICAL RESULTS

Sample: IG02433-05
Name: Below Dam
Matrix: Waste Water - Grab

Sampled: 07/13/25 14:52

Received: 07/14/25 13:20

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>General Chemistry - STL</u>									
Solids - total suspended solids (TSS)	5.6	mg/L		07/15/25 11:56	1	4.0	07/15/25 17:55	AAG	SM 2540D
<u>Microbiology - STL</u>									
E. coli	31 MPN/100 mL		Ht	07/14/25 16:12	1	10	07/14/25 16:12	AAG	SM 9223B - QT*
<u>Total Metals - STL</u>									
Phosphorus	0.0773	mg/L		07/17/25 10:30	1	0.0556	07/17/25 15:24	BCH	EPA 200.7 REV 4.4

Sample: IG02433-06
Name: Henke Road
Matrix: Waste Water - Grab

Sampled: 07/14/25 06:45

Received: 07/14/25 13:20

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>General Chemistry - STL</u>									
Solids - total suspended solids (TSS)	< 4.0	mg/L		07/15/25 11:56	1	4.0	07/15/25 17:55	AAG	SM 2540D
<u>Microbiology - STL</u>									
E. coli	355 MPN/100 mL		Ht	07/14/25 16:12	1	10	07/14/25 16:12	AAG	SM 9223B - QT*
<u>Total Metals - STL</u>									
Phosphorus	< 0.0556	mg/L		07/17/25 10:30	1	0.0556	07/17/25 15:33	BCH	EPA 200.7 REV 4.4



ANALYTICAL RESULTS

Sample: IG02433-07
Name: DeLoire
Matrix: Waste Water - Grab

Sampled: 07/14/25 07:00

Received: 07/14/25 13:20

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>General Chemistry - STL</u>									
Solids - total suspended solids (TSS)	6.0	mg/L		07/15/25 11:56	1	4.0	07/15/25 17:55	AAG	SM 2540D
<u>Microbiology - STL</u>									
E. coli	364	MPN/100 mL	Ht	07/14/25 16:12	1	10	07/14/25 16:12	AAG	SM 9223B - QT*
<u>Total Metals - STL</u>									
Phosphorus	< 0.0556	mg/L		07/17/25 10:30	1	0.0556	07/17/25 15:42	BCH	EPA 200.7 REV 4.4

Sample: IG02433-08
Name: Hepperman Rd.
Matrix: Waste Water - Grab

Sampled: 07/14/25 09:00

Received: 07/14/25 13:20

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>General Chemistry - STL</u>									
Solids - total suspended solids (TSS)	4.8	mg/L		07/15/25 11:56	1	4.0	07/15/25 17:55	AAG	SM 2540D
<u>Microbiology - STL</u>									
E. coli	336	MPN/100 mL		07/14/25 16:12	1	10	07/14/25 16:12	AAG	SM 9223B - QT*
<u>Total Metals - STL</u>									
Phosphorus	< 0.0556	mg/L		07/17/25 17:00	1	0.0556	07/18/25 12:22	BCH	EPA 200.7 REV 4.4



NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

Ht Sample received outside of holding time.



Certified by: Jon Robert Handshy, Analyst

1602433

Pace® Location Requested (City/State): CHAIN-OF-CUSTODY Analytical Request Document Pace-Hazelwood, MO 944 Anglum Rd.		Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields		 Scan QR Code for instructions																															
Company Name: LSL Community Association Street Address: 100 Cognac Ct LSL, Mo 63367		Contact/Report To: Dave Kusmae Phone #: 636-248-6185 E-Mail: Dave.Kusmae@gmail.com Cc E-Mail:		Specify Container Size** <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> Identify Container Preservative Type*** <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> Analysis Requested <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other																															
Customer Project #: HF02981 Project Name: Perigue Creek & LSL Effluent Site Collection Info/Facility ID (as applicable): Multiple Locations		Invoice to: LSL Community Association Invoice E-mail: MShelhamer@LSLCA.com																																	
Time Zone Collected: ☐ AK ☐ PT ☐ MT ☐ CT ☐ ET		Purchase Order # (if applicable): Quote #: County / State origin of sample(s):																																	
Data Deliverables: ☐ Level II ☐ Level III ☐ Level IV ☐ EQUIS ☐ Other:		Regulatory Program (DW, RCRA, etc.) as applicable: N/A Rush (Pre-approval required): ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day Other _____ Date Results Requested: _____ DW PWSID # or WW Permit # as applicable: _____ Field Filtered (if applicable): ☐ Yes ☒ No Analysis:																																	
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)																																			
Customer Sample ID	Matrix *	Comp / Grab	Composite Start <table border="1" style="width:100%; border-collapse: collapse;"> <tr><th>Date</th><th>Time</th></tr> </table>	Date	Time	Collected or Composite End <table border="1" style="width:100%; border-collapse: collapse;"> <tr><th>Date</th><th>Time</th></tr> </table>	Date	Time	# Cont.	Residual Chlorine <table border="1" style="width:100%; border-collapse: collapse;"> <tr><th>Result</th><th>Units</th></tr> </table>	Result	Units	Total Phosphorus E. coli Total Suspended Solids	Proj. Mgr: AcctNum / Client ID: Table #: Profile / Template: Prelog / Bottle Ord. ID: Sample Comment																					
Date	Time																																		
Date	Time																																		
Result	Units																																		
Ruge Park		Grab		7/13 1300			✓																												
Skunk Creek		"		7/14 1130			✓																												
Archer		"		7/13 0940			✓																												
Highway T		"		7/13 1050			✓																												
Below Dam		"		7/13 1452			✓																												
Henke Road		"		7/14 0645			✓																												
DeLoire		"		7/14 0700			✓																												
Hepperman Rd		"		7/14 0900			✓																												
Additional Instructions from Pace®:			Collected By: Printed Name Signature		Customer Remarks / Special Conditions / Possible Hazards: <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td># Coolers:</td> <td>Thermometer ID:</td> <td>Correction Factor (°C):</td> <td>Obs. Temp. (°C):</td> <td>Corrected Temp. (°C):</td> <td>☐ On Ice</td> </tr> </table>			# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	☐ On Ice																						
# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	☐ On Ice																														
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:		Tracking Number:																											
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:		Delivered by: ☐ In-Person ☐ Courier																											
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:		☐ FedEx ☐ UPS ☐ Other																											
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:		Page: of																											

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at <https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/>

ENV-FRM-CORQ-0019_v02_110123 ©

Delivery Method: FedEx UPS Walkin USPS Other

ENV-FRM-PEOR-0098 v05_Sample Condition Upon Receipt

Client Name: LSL Community Association Work Order #: IG02433 Completed by / Date: MG 7-14-25

Custody seal on cooler/box present and seal intact:	☐ Yes ☐ No ☒ N/A
Chain of Custody (CoC) Present:	☒ Yes ☐ No
CoC is Legible:	☒ Yes ☐ No
Sampler Name Present on CoC:	☒ Yes ☐ No
Sampler Signature Present on CoC:	☐ Yes ☐ No
Sample Collection Date Present on CoC:	☒ Yes ☐ No
Sample Collection Time Present on CoC:	☒ Yes ☐ No
CoC Relinquished by Client:	☒ Yes ☐ No
Unique Sample ID's Present on CoC:	☒ Yes ☐ No
CoC and Sample Container Labels Match:	☒ Yes ☐ No
Sample chilling process started prior to receipt: If yes, what type of ice:	☒ Yes ☐ No ☐ N/A ☒ Wet ☐ Blue
Samples received within temperature compliance: ($\leq 6^{\circ}\text{C}$, but above freezing or received same day collected and chill process started prior to receipt)	☒ Yes ☐ No ☐ N/A
Container(s) Received Intact:	☒ Yes ☐ No
Containers Received Labeled and Labels are Legible:	☐ Yes ☐ No
Appropriate Bottles Received for Analysis Requested:	☒ Yes ☐ No
Sufficient Sample Volume Received:	☒ Yes ☐ No
USDA Regulated Soil: Country of Origin: _____ State of Origin: _____	☐ Yes ☐ No ☒ N/A
Trip Blank(s) Received: If present, are they Listed on CoC:	☐ Yes ☐ No ☒ N/A ☐ Yes ☐ No
VOA vials are free of any headspace larger than pea sized bubble (>6mm) – Applies to methods 8260, 624, 524.2 - including THM vials If headspace is present, note sample ID and # of vials	☐ Yes ☐ No ☒ N/A
All (Non-Field) Analysis Received Within Hold Times:	☒ Yes ☐ No
Rush Turn Around Time Requested or Time Sensitive Analysis:	☐ Yes ☒ No
Short Hold Time Analysis (48 Hours or Less):	☐ Yes ☒ No

Client Notification/ Resolution:

If checked, please see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

WORK ORDER #: 1 G02433 INITIALS: MG

P, U, 1000ml - Total	+	+	+	+	+	+	+	+	+
P, U, 250ml									
P, U, 500ml - Total									
P, U, 500ml - Diss									
P, 250ml/500ml H ₂ SO ₄ - Total									
P, 250ml/500ml H ₂ SO ₄ - Diss									
P, 250ml/500ml NaOH									
P, 250ml/500ml HNO ₃ - Total	+	+	+	+	+	+	+	+	+
P, 250ml/500ml HNO ₃ - Diss									
P, 500ml NaOH + ZnAc									
P, U, 150ml/4oz TC									
P, 2.5L HNO ₃									
P, U, 2.5L									
P, U, 50ml									
S, P, 120ml Na ₂ S ₂ O ₃	+	+	+	+	+	+	+	+	+
P, 16oz - Soil/Sludge									

A, G, U, 1000ml									
A, G, 1000ml HCl									
A, G, 1000ml MeCl ₂									
A, G, 500ml H ₂ SO ₄									
A, G, U, 500ml									
A, G, U, 250ml H ₂ SO ₄									
A, G, U, 250ml									
A, V, 40ml H ₂ SO ₄									
A, V, U, 60ml									

C, G, 1000ml HCl									
C, G, U, 1000ml									
C, G, U, 250ml - LLHg									
C, G, U, 250ml - LLHg - FB									
C, G, 16oz - Soil Jar									
C, G, 9oz - Soil Jar									
C, G, 4oz - Soil Jar									
C, G, 2oz - Soil Jar									
C, V, 40ml TSP									
C, V, 40ml HCl									
C, V, U, 40ml									
C, V, 40ml Na ₂ S ₂ O ₃									
C, V, 40ml MeOH									
C, V, 40ml Sodium Bisulfate									
C, V, U, 60ml									

Description									