STATE OF NORTH CAROLINA

AGREEMENT

COUNTY OF UNION

THIS AGREEMENT is made and entered into as of _____, by and between UNION COUNTY, a political subdivision of the State of North Carolina, whose address is 500 North Main Street, Monroe, NC 28112, hereinafter "Union," and WIND RIVER ENVIRONMENTAL, LLC, a Delaware corporation registered to do business in North Carolina, whose address is 131 Mariposa Road, Stanley, NC 28164, hereinafter "Contractor."

W I T N E S S E T H

WHEREAS, Union desires that Contractor perform certain aeration basin cleaning services; and

WHEREAS, Contractor is willing to perform such services as described in this Agreement.

NOW, THEREFORE, in consideration of the mutual covenants and agreements hereinafter set forth, the parties hereto do each contract and agree with the other as follows:

1. SERVICES PERFORMED. Contractor agrees to perform the services as set forth in the attached Request for Proposals No. 2026-044, "Aeration Tank Cleaning," as modified by Addendum No. 1 dated February 2, 2026, Addendum No. 2 dated February 26, 2026, and Addendum No. 3 dated February 27, 2026 which are incorporated herein by reference (hereinafter the "Services"), in accordance with the terms of this Agreement.

2. FEE AND PAYMENT SCHEDULE. Union shall pay Contractor in accordance with the attached "Appendix A – Price Form" for performance of the Services. Contractor shall invoice Union on a monthly basis for Services performed, or upon such other schedule as may be agreed upon by the parties. Payment is due within thirty (30) days of receipt of an accurate invoice by Union's Finance Division. All payments shall be conditioned upon appropriation by the Union County Board of Commissioners of sufficient funds for each request for services.

3. TERM AND TERMINATION. The Effective Date is the date of mutual execution of this Agreement. This Agreement shall have a term of one (1) year. Union may terminate this Agreement at any time, without cause, upon provision of ten (10) days' written notice to Contractor. In the event of termination without cause, Contractor shall be paid for services performed to the date of notification of termination by Union.

4. OWNERSHIP OF DOCUMENTS. All deliverables and any other contract documents prepared by Contractor, or any subcontractors or subconsultants under the terms of this Agreement ("the Documents"), shall be the property of Union. Contractor further acknowledges that Union is subject to Chapter 132 of the North Carolina General Statutes, the Public Records Act (the "Act"), and that this Agreement, as well as any of the Documents as defined herein, shall be a public record as defined in such Act, and as such, will be open to public disclosure and copying.

5. INSURANCE. The attached Exhibit A, Insurance Requirements, is incorporated herein by reference.

6. INDEMNIFICATION. Contractor agrees to protect, defend, indemnify and hold Union, its officers, employees and agents free and harmless from and against any and all losses, penalties, damages, settlements, costs, charges, professional fees or other expenses or liabilities of every kind and character arising out of or relating to any and all claims, liens, demands, obligations, actions, proceedings, or causes of action of every kind in connection with or arising out of this Agreement and/or the performance hereof that are due, in whole or in part, to the negligence of Contractor, its officers, employees, subcontractors or agents. Contractor further agrees to investigate, handle, respond to, provide defense for, and defend the same at its sole expense and agrees to bear all other costs and expenses related thereto.

7. DECLARATION BY CONTRACTOR. Contractor declares that Contractor has complied with all federal, state and local laws regarding the location and operation of Contractor's business and regarding business permits, certificates, and licenses that may be required to carry out the work to be performed under this Agreement.

8. FEDERAL, STATE, AND LOCAL TAXES. Neither federal, nor state, nor local income tax nor payroll tax of any kind shall be withheld or paid by Union on behalf of Contractor or the employees of Contractor. Contractor shall not be treated as an employee with respect to the services performed hereunder for federal or state tax purposes.

9. NOTICE TO CONTRACTOR REGARDING ITS TAX DUTIES AND LIABILITIES. Contractor understands that Contractor is responsible to pay, according to law, Contractor's income tax. If Contractor is not a corporation, Contractor further understands that Contractor may be liable for self-employment (social security) tax, to be paid by Contractor according to law.

10. FRINGE BENEFITS. Because Contractor is engaged in Contractor's own independently established business, Contractor is not eligible for, and shall not participate in, any employee pension, health or other fringe benefit plan of Union.

11. UNION NOT RESPONSIBLE FOR WORKERS' COMPENSATION. No workers' compensation insurance shall be obtained by Union concerning Contractor or the employees of Contractor. Contractor shall comply with the workers' compensation law concerning Contractor and the employees of Contractor.

12. NO AUTHORITY TO BIND UNION. Contractor has no authority to enter into contracts or agreements on behalf of Union. This Agreement does not create a partnership or any form of agency between the parties.

13. ASSIGNMENT. Neither Union nor Contractor shall assign, sublet or transfer any rights under or interest in this Agreement (including, but without limitation, monies that may become due or monies that are due) without the written consent of the other, except to the extent that any assignment, subletting or transfer is mandated by law or the effect of this limitation may be restricted by law. Unless specifically stated to the contrary in any written consent to assignment, no assignment shall release or discharge the assignor from any duty or responsibility under this Agreement.

14. NON-WAIVER. The failure of either party to exercise any of its rights under this agreement for a breach thereof shall not be deemed to be a waiver of such rights or a waiver of any subsequent breach.

15. HOW NOTICES SHALL BE GIVEN. Any notice given in connection with this agreement shall be given in writing and shall be delivered either by hand to the party or by certified mail, return receipt requested, to the party at the party's address stated herein. Any party may change its address stated herein by giving notice of the change in accordance with this paragraph.

16. APPLICABLE LAW AND JURISDICTION. This Agreement shall be construed and enforced in accordance with the laws of the State of North Carolina. The parties to this Agreement confer exclusive jurisdiction of all disputes arising hereunder upon the General Courts of Justice of Union County, North Carolina.

17. COMPLETE AGREEMENT. This Agreement contains the complete agreement of the parties regarding the terms and conditions of the Agreement, and there are no oral or written conditions, terms, warranties, understandings or other agreements pertaining thereto which have not been incorporated herein. This Agreement may be modified only by written instrument duly executed by both parties, or their respective successors in interest.

18. SEVERABILITY. The provisions hereof are severable, and should any provision be determined to be invalid, unlawful or otherwise null and void by any court of competent jurisdiction, the other provisions shall remain in full force and effect and shall not thereby be affected unless such ruling shall make further performance hereunder impossible or impose an unconscionable burden upon one of the parties.

19. AUTHORITY. Each party warrants that it has the corporate or other organizational power and authority to execute, deliver and perform this Agreement. Each party further warrants that the execution, delivery and performance by it of the Agreement has been duly authorized and approved by all requisite action of the party's management and appropriate governing body.

20. E-VERIFY. E-Verify is the federal program operated by the United States Department of Homeland Security and other federal agencies, or any successor or equivalent program, used to verify the work authorization of newly hired employees pursuant to federal law. Contractor shall ensure that Contractor and any subcontractor performing work under this Agreement: (i) uses E-Verify if required to do so by North Carolina law; and (ii) otherwise complies with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes. A breach of this provision by Contractor will be considered a breach of this Agreement, which entitles Union to terminate this Agreement, without penalty, upon notice to Contractor.

[*Signatures follow on the next page.*]

IN WITNESS WHEREOF, the parties hereto, acting under authority of their respective governing bodies, have hereunto set their hands and seals, and have caused this Agreement to be duly executed, this the day and year first above written.

UNION COUNTY

By: _____ (SEAL)
Brian W. Matthews, County Manager

WIND RIVER ENVIRONMENTAL, LLC

By: _____ (SEAL)

This instrument has been preaudited in the manner required by The Local Government Budget and Fiscal Control Act.

_____
Deputy Finance Officer

Approved as to Legal Form CGR

Exhibit A
Insurance Requirements

I. BASIC INSURANCE REQUIREMENTS. At Contractor's sole expense, Contractor shall procure and maintain the following minimum insurances with insurers authorized to do business in North Carolina and rated A-VII or better by A.M. Best, or as otherwise authorized by the Union County Risk Manager.

A. WORKERS' COMPENSATION
Statutory (coverage for three or more employees) limits covering all employees, including Employer's Liability with limits of:

$500,000	Each Accident
$500,000	Disease - Each Employee
$500,000	Disease - Policy Limit

B. COMMERCIAL GENERAL LIABILITY
Covering all operations involved in this Agreement.

$2,000,000	General Aggregate
$2,000,000	Products/Completed Operations Aggregate
$1,000,000	Each Occurrence
$1,000,000	Personal and Advertising Injury Limit

C. COMMERCIAL AUTOMOBILE LIABILITY

$1,000,000	Combined Single Limit - Any Auto

D. POLLUTION LIABILITY INSURANCE

$1,000,000	Claims Made

Contractor shall provide evidence of continuation or renewal of Pollution Liability Insurance for a period of two (2) years following termination of the Agreement.

II. ADDITIONAL INSURANCE REQUIREMENTS.

A. The Contractor's General Liability policy shall be endorsed, specifically or generally, to include the following as Additional Insured:

UNION COUNTY, ITS OFFICERS, AGENTS AND EMPLOYEES ARE INCLUDED AS ADDITIONAL INSURED WITH RESPECT TO THE GENERAL LIABILITY INSURANCE POLICY.

B. Before commencement of any work or event, Contractor shall provide a Certificate of Insurance in satisfactory form as evidence of the insurances required above.

C. Contractor shall have no right of recovery or subrogation against Union County (including its officers, agents and employees).

D. It is the intention of the parties that the insurance policies afforded by Contractor shall protect both parties and be primary and non-contributory coverage for any and all losses covered by the above-described insurance.

E. Union County shall have no liability with respect to Contractor's personal property whether insured or not insured. Any deductible or self-insured retention is the sole responsibility of Contractor.

F. Notwithstanding the notification requirements of the Insurer, Contractor hereby agrees to notify County's Risk Manager at 500 North Main Street, Monroe, NC 28112, within two (2) days of the cancellation or substantive change of any insurance policy set out herein. Union, in its sole discretion, may deem failure to provide such notice as a breach of this Agreement.

G. The Certificate of Insurance should note in the Description of Operations the following:

Department: Water
Contract #: 10293

H. Insurance procured by Contractor shall not reduce nor limit Contractor's contractual obligation to indemnify, save harmless and defend Union County for claims made or suits brought which result from or are in connection with the performance of this Agreement.

I. Certificate Holder shall be listed as follows:

Union County
Attention: Risk Manager
500 North Main Street
Monroe, NC 28112

J. If Contractor is authorized to assign or subcontract any of its rights or duties hereunder and in fact does so, Contractor shall ensure that the assignee or subcontractor satisfies all requirements of this Agreement, including, but not limited to, maintenance of the required insurances coverage and provision of certificate(s) of insurance and additional insured endorsement(s), in proper form prior to commencement of services.

Request for Proposals No. 2026-044
Aeration Tank Cleaning

Due Date:	March 17, 2026
Time:	11:00 AM EST
Receipt Location:	Electronic Submission (Refer to Section 2) Union County Procurement and Contract Management Department (Note: Follow the submittal instructions in Section 2.2 to electronically upload a proposal package.)

Non-Mandatory Pre-Proposal Conference and Site Visit. February 18, 2026. For the time and location, Refer to page 3 for details.

Procurement Contact:

Juan Rodriguez-Cruz
Procurement Specialist
704.283.3519
Juan.Rodriguez-Cruz@unioncountync.gov

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1 NOTICE OF ADVERTISEMENT

Union County, North Carolina
Request for Proposals No. 2026-044
Aeration Tank Cleaning

Electronic proposals will be received by the Union County's Procurement Department via electronic portal only, until **11:00 AM EST on March 17, 2026.** Late submittals will not be accepted.

Union County, North Carolina, through Union County Water, is soliciting proposals from experienced and qualified firms to provide Aeration Tank Cleaning Services.

Copies of the solicitation may be obtained from the locations listed below:

1. Download the Proposal Documents from the Union County website: https://www.unioncountync.gov/departments/bids-procurement/current-bids

2. Download the Solicitation Documents from the State of North Carolina Electronic Vendor Portal: https://evp.nc.gov (Search County of Union – Filter Solicitation Status Open).

A Non-Mandatory Pre-proposal and Site Visit Meeting: This is a non-mandatory meeting that will take place on **February 18, 2026 at 10:00 AM** at the Twelve Mile Creek WRF, 8299 Kensington Dr. Waxhaw NC 28173. Representatives from Union County Water will be on-hand to give a brief overview of the project and to answer questions. Attendance at this meeting is strongly encouraged.

All questions about the meaning or intent of the Proposal Documents are to be submitted in writing to the Procurement contact person listed on the cover page (Juan.Rodriguez-Cruz@unioncountync.gov). The deadline for questions is on **February 25, at 5:00 PM EST.**

Union County reserves the right to reject any or all proposals, to waive technicalities and to make such selection deemed in its best interest.

Union County reserves the right to award to multiple vendors.

Offerors are required to comply with the non-collusion requirements set forth in the Solicitation Documents.

Union County encourages good faith effort outreach to Minority Businesses (HUB Certified) and Small Businesses.

2 SUBMITTAL DETAILS

2.1 PROPOSAL SUBMISSION DEADLINE AND DELIVERY ADDRESS

All Proposal Submittals are to be received by the Union County Procurement Department no later than **11:00 AM EST on March 17, 2026,** per the instructions below. Any submittals received after this date and time shall be rejected without exception.

2.2 PROPOSAL SUBMISSION REQUIREMENTS

The proposal must be submitted electronically using the following link: https://lfportal.unioncountync.gov/Forms/procurementsubmit. Select the Solicitation drop down arrow and choose this RFP from the list. Complete the form, upload your proposal, and select submit. An email will be sent to the address listed on the form as your confirmation of receipt.

The proposal package **must be signed** by a person who is authorized to bind the proposing Company. Instructions for preparing the proposal are provided herein.

Paper submissions will not be accepted.
Submissions e-mailed directly to the Procurement Contact will not be accepted.

There is no expressed or implied obligation for Union County to reimburse Offerors for any expenses incurred in preparing proposals in response to this request.

Union County reserves the right to:

- Reject any or all proposals, to waive technicalities and to make such selection deemed in its best interest;
- Cancel this solicitation; and
- Award to multiple vendors.

2.3 PRE-PROPOSAL CONFERENCE AND SITE VISIT

A Non-Mandatory Pre-Proposal Conference will be held on **February 18, at 10:00 AM** at the Twelve Mile Creek WRF, 8299 Kensington Dr. Waxhaw NC 28173. Union County Water staff and a Union County Procurement representative will be present to give a brief overview of the project and give access to the facility.

2.4 PROPOSAL QUESTIONS

Proposal questions will be due on or before **February 25, 2026 at 5:00 PM EST**. The primary purpose is to provide participating Offerors with the opportunity to ask questions, in writing, related to the RFP.

Submit questions in a Word Document or in the body of an email and send to Juan Rodriguez-Cruz Juan.Rodriguez-Cruz@unioncountync.gov by the deadline shown above. **The email subject line should identify the proposal number and project title**. All questions and answers may be posted as addenda on www.unioncountync.gov and/or https://evp.nc.gov

2.5 PROPOSAL ADDENDUM

Union County may modify the RFP prior to the date fixed for submission of proposals by the issuance of an addendum.

Should an Offeror find discrepancies or omissions in this RFP or any other documents provided by Union County, the Offeror should immediately notify the County of such potential discrepancy in writing via email as noted above.

Any addenda to these documents shall be issued in writing. No oral statements, explanations, or commitments by anyone shall be of effect unless incorporated in the written addenda. Receipt of Addenda shall be acknowledged by the Offeror on Appendix C – Addendum and Anti-Collusion form.

2.6 COMMUNICATION

All communications, any modifications, clarifications, amendments, questions, responses or any other matters related to this Request for Proposals must be made only through the Procurement Contact noted on the cover of this RFP. A violation of this provision is cause for the County to reject a Company's proposal. No contact regarding this document with other County employees is permitted and may be grounds for disqualification.

3 PURPOSE

3.1 COUNTY

The County (estimated population 239,859) is located in the central, southern piedmont. The County provides its citizens with a full array of services that include public safety, water/wastewater utilities and sanitation, human services, cultural and recreational activities, and general government administration.

3.2 INTRODUCTION

Union County (hereafter the "County"), through Union County Water, is soliciting proposals from qualified contractors for aeration tank cleaning services.

4 SCOPE OF SERVICES

4.1 SCOPE OF WORK SUMMARY

Union County Water desires to have all rags, grit, sludge and debris removed and disposed of from one aeration basin at its Twelve Mile Creek WRF located at 8299 Kensington Dr Waxhaw NC 28173. Contractor shall furnish all permits, labor, materials and equipment required to remove, transport, and dispose of materials removed from the aeration tank. Contractor shall perform all services in strict accordance with all Applicable Law. Within twenty-four (24) hours of occurrence, Contractor shall provide UCPW with written notice of violation or noncompliance with respect to Contractor's permit(s), UCPW's permit(s), or of any action commenced in any court of competent jurisdiction involving the operations conducted by Contractor during the duration of this contract.

Contractor shall coordinate scheduling with plant operations staff. The Twelve Mile Creek WRF is currently under construction. Contractor activities shall be coordinated so as not to interfere with ongoing construction operations. Union County will coordinate work in construction areas to satisfy the operational needs of both contractors and the County. All work must be scheduled in advance, and Contractor shall provide daily status updates to Union County regarding work performed, planned activities, and any issues encountered.

If a dewatering or decanting operation will be part of the process, coordinate these activities with the Union County Water and Wastewater point of contact to determine where the water will be disposed of and if at the plant, sampling may be conducted. Metering of the water back into the plant to prevent a plant upset will be required.

Dewatering Performance Requirements:

Dewatering operations shall meet the following minimum performance criteria:

- Cake solids shall be greater than 15 percent (15%).
- Filtrate or centrate solids shall be less than 200 mg/L.
- Ammonia shall be less than 75 mg/L.
- Total phosphorus shall be less than 15 mg/L.

Sampling will be performed randomly by Union County Water Plant Operations staff. All samples will be analyzed on-site by Union County. Results shall be used to verify compliance with performance requirements.

Utilities and Power: Union County will provide water for mobile press units as required. Contractor shall be responsible for supplying and operating a generator to provide power for all mobile press units and associated equipment.

Union County Water Plant Operations reserve the right to halt, suspend, or modify any cleaning, dewatering, or related activities at any time and for any reason, including but not limited to operational needs, safety concerns, regulatory requirements, enforcement of blackout periods, or coordination with other on-site activities. The Contractor shall immediately comply with any such direction from Union County Water staff.

Work to be completed Monday through Friday 7am-5pm.

Blackout Periods:

No work shall be performed during the following blackout periods:

- January 26, 2026 through February 6, 2026
- April 27, 2026 through May 8, 2026
- July 27, 2026 through August 7, 2026
- October 26, 2026 through November 6, 2026

If the project duration extends beyond these dates, additional blackout periods may be identified by Union County and incorporated as needed. No work shall be performed on weekends or on Union County–recognized holidays.

Approximate area of debris 240'L X 58'W X 1' H

4.2 SAFETY

The Offeror shall provide all employees with necessary personal protective equipment such as industry specific clothing, head, respiratory, eye, hand and foot protection.

4.3 SPECIAL REQUIREMENTS

- Ongoing Regulatory Compliance: Contractor must possess and maintain all appropriate permits, plans, equipment, facilities, and personnel necessary to safely accept, transport and deliver County bio-solids in a manner consistent with all applicable state federal and local requirements. Contractor must appropriately document bio-solids transport as required by law and must produce such records as requested by the County.
- Operations in good standing: Contractor shall have in effect no current enforcement actions against their operations pertaining to bio-solids transport. Contractor shall maintain a satisfactory safety record for the duration of this contract. This includes but is not limited to notices of violation, orders, penalties, or other enforcement actions restricting relevant activities.
- Adequate hauling equipment: All equipment supplied and/or utilized under this contract must be of adequate design and condition to safely, satisfactorily, and legally accept, transport, and transfer bio-solids as required. A minimum 3,000-gallon tanker equipped to load and discharge by on-board pump shall be required. Tanker shall be free of contaminants that could cause harm to the receiving WRF.
- Spill response capabilities: Contractor must operate all equipment utilized under this contract in such manner as to prevent spillage during transport. However, in case of unavoidable spills, Contractor must promptly and adequately respond to spills in such a manner as to maintain regulatory compliance and minimize harm to the affected environment, people and equipment. Contractor must immediately report any spill incidents to the County and other appropriate parties, per spill response plans.
- Stormwater Protection and Spill Prevention: Contractor shall install and maintain stormwater pollution prevention measures sufficient to prevent, contain, and control spills or releases associated with the work. Contractor shall maintain an appropriate spill kit on site at all times. A stormwater map is provided as an attachment to this RFP for informational purposes.
- Chemical Use and Safety Data Sheets: Contractor shall submit Safety Data Sheets (SDS) for all chemicals proposed for use to the Plant Supervisor and obtain written approval from the Plant Supervisor prior to bringing or using any chemicals on site.

5 DETAILED SUBMITTAL REQUIREMENTS AND INSTRUCTIONS

5.1 TERMS OF SUBMISSION

All material received from a person or company ("Offeror") in response to this solicitation shall become the property of Union County and will not be returned to the Offeror. Any and all costs incurred by an Offeror in preparing, submitting, or presenting submissions are the Offeror's sole responsibility and Union County shall not reimburse the Offeror. All responses to this solicitation will be considered a public record and subject to disclosure under applicable public records law.

Any material in a response which the Offeror considers a trade secret and exempt from disclosure as a public record under applicable law, including N.C.G.S. §§ 132-1.2 and 66-152, must be properly designated as a trade secret. In order to properly designate such material, the Offeror must: (i) submit any trade secret materials in a separate envelope, or file, from all other submitted material, being clearly marked as "Trade Secret – Confidential and Proprietary Information," and (ii) stamp the same trade secret/confidentiality designation on each page of the materials therein which contain trade secrets.

To the extent consistent with public records law, Union County will make reasonable efforts to maintain the confidential nature of trade secrets, as determined by Union County and subject to the conditions set forth herein. Offeror understands and agrees by submitting a response to this solicitation, that if a request is made to review or produce a copy of any information in the Offeror materials which was properly labeled by the Offeror as a trade secret, Union County will notify the Offeror of the request and the date that such materials will be released to the requestor unless the Offeror obtains a court order enjoining that disclosure. If the Offeror fails to obtain the court order enjoining disclosure prior to that date, Offeror understands and agrees that Union County will release the requested information to the requestor on that date.

Furthermore, the Offeror also agrees to indemnify and hold harmless Union County and each of its officers, employees, and agents from all costs, damages, and expenses incurred in connection with refusing to disclose any material that has been designated as a trade secret by Offeror.

5.2 DUPLICATE PROPOSALS

No more than one (1) proposal from any Offeror will be considered by the County. In the event multiple proposals are submitted in violation of this provision, the County will have the right to determine which proposal will be considered, or at its sole option, reject all such multiple proposals.

5.3 PROPOSAL FORMAT

The County desires all responses to be identical in format in order to facilitate comparison. While the County's format may represent a departure from the vendor's preference, the County requests adherence to the format. All responses are to be in the format described below.

Offerors should prepare their proposals in accordance with the instructions outlined in this section. Each Offeror is required to submit the proposal electronically – Refer to page 4, item 2.2. Each section should be identified as described below. Proposals should be prepared as simply as possible and provide a straightforward, concise description of the proposer's capabilities to satisfy the requirements of the RFP.

The County may award a contract based on initial offers received without discussion of such offers. A proposer's initial offer should, therefore, be based on the most favorable terms available. The County reserves the right to contact proposers regarding cost and scope clarification at any time throughout the selection process.

The successful Offeror's proposal must include all responses to the requirements contained within this RFP and all appendices (if applicable) must be completed in their entirety.
By submitting a proposal, the successful Offeror's Offeror agrees to all applicable provisions, terms and conditions associated with this RFP. This solicitation, the successful Offeror's submitted proposal, all appendices and attachments (if applicable), and stated terms and conditions may become part of the resulting contract.

Utmost attention should be given to accuracy, completeness, and clarity of content. All parts, pages, figures, or tables should be numbered and clearly labeled. Response information should be limited to pertinent information only. Marketing and sales type information is not to be included.

Omissions and incomplete answers may be deemed unresponsive. Please initial any corrections.

The proposal should be organized and identified by section as follows:

- **Section A** – Cover Letter
- **Section B** – Company Background and Experience
- **Section C** – Project Team
- **Section D** – Methodology and Implementation Plan
- **Section E** - References
- **Section F** – Proposed Pricing
  - Appendix A – Price Form (completed); submit with proposal
- **Section G** – Required Forms
  - Appendix B – Proposal Submission (signed)
  - Appendix C - Addenda Receipt and Anti-Collusion (signed)

5.3.1 SECTION A – COVER LETTER

Provide the following information about your company. Respond to each item and provide supporting documentation and/or exhibits as requested or desired.

1. Legal Company Name and DBA (if applicable)
   Address
   Telephone Number
   Website Address
   Name of Single Point of Contact
   Title
   Telephone Number
   Email Address

2. Name of Person with Binding Authority
   Title
   Address
   Telephone Number
   Email Address

3. Stipulate that the proposal price will be valid for a period of 180 days.

4. Make the following representations and warranty in the cover letter, the falsity of which might result in rejection of its proposal: "The information contained in this proposal or any part thereof, including any exhibits, schedules, and other documents and instruments delivered or to be delivered to the County, is true, accurate, and complete. This proposal includes all information necessary to ensure that the statements therein do not in whole or in part mislead the County as to any material facts."

5.3.2 SECTION B – COMPANY BACKGROUND AND EXPERIENCE

This section provides each vendor with the opportunity of demonstrating how its history, organization, and partnerships differentiate it from other entities. Careful attention should be paid to providing information relevant to Union County needs.

Provide a concise profile of the Proposer's organization to include the following:

- Corporate history, and number of years in business under the current organizational name, structure and services offered.
- Assets available to meet County service requirements.
- Is the Offeror's organization involved in any pending litigation that may affect its ability to provide its products and services?

5.3.3 SECTION C – PROJECT TEAM

Describe the professional staff to be associated with this project. Upon award and during the contract period, if the contractor chooses to assign different personnel to the project, the Contractor must submit their names and qualifications including information listed above to the County for approval before they begin work. At a

minimum, this section should include the following information for each key person identified by the company:

- Name and title
- Project responsibilities and roles
- Involvement levels & durations
- Years of relevant experience
- Length of service with the company

5.3.4 SECTION D - METHODOLOGY AND IMPLEMETATION PLAN

Provide a description of the approach and methodology to be used to accomplish the Scope of Work of this RFP. The Methodology Section should include:

- An implementation plan that describes the methods, including controls, by which your firm manages projects of the type.
- Project management, implementation strategies or techniques that the Offeror intends to use in carrying out the work.
- Brief description of efforts your firm will undertake to achieve client satisfaction and to satisfy the requirements of this solicitation.
- Brief description of specific tasks you will require from County staff. Explain what the respective roles of County staff and your staff would be to complete the tasks specified.

5.3.5 SECTION F – REFERENCES

- Provide, at a minimum, three (3) comparable clients with whom your firm has an established relationship similar to the Scope of Work outlined in this RFP and include the following:
- Company Name
- Contact Name and Title
- Address
- Phone Number
- Email Address
- Project name
- Length of Relationship

5.3.6 SECTION G – PRICE FORM

Complete Appendix A – Price Form and submit with proposal.

5.3.7 SECTION H – REQUIRED FORMS

Offerors must include signed copies of the following documents:

- Appendix B – Proposal Submission (signed)
- Appendix C – Addenda Receipt and Anti-Collusion (signed)

6 EVALUATION CRITERIA AND SELECTION PROCESS

6.1 SELECTION PARTICIPANTS

1. Maintaining the integrity of the RFP process is of paramount importance for the County. To this end, please do not contact any members of Union County or its staff regarding the subject matter of this RFP until a selection has been made, other than the County's designated contact person identified in the introduction to this RFP.

2. Representatives of Union County will read, review, and evaluate the RFP independently based on the evaluation criteria. Failure to abide by this requirement shall be grounds for disqualification from this selection process.

3. The County will establish an RFP Evaluation Team to review and evaluate the RFPs. The RFP Evaluation Team will assess the RFPs independently in accordance with the published evaluation criteria. Union County reserves the right to conduct interviews with a shortlist of selected Offerors.

4. At its sole discretion, the Owner may ask written questions of Offerors, seek written clarification, and conduct discussions with Offerors on the RFPs.

   The County reserves the right to determine the suitability of proposals on the basis of a proposal meeting scope and submittal criteria listed in the RFP. Evaluation criteria and other relevant RFP information will be used to assist in determining the finalist Vendor.

6.2 FINANCIAL INFORMATION

Offeror may be asked to provide the following financial information. If the following financial information is requested, it shall be readily available and provided to the County within forty-eight (48) hours upon request during the bid certification process:

1. Annual audited financial reports for the past five (5) fiscal years;
2. Credit reports, credit bulletins, bank and vendor references, and any other published statements by agencies that have been issued or published about the entity within the past five (5) years;
3. Indicate whether the Company (and/or predecessor, guarantor, or subcontractor) has declared bankruptcy within the last five (5) years;
4. Provide a description of the financial impact of any past or pending legal proceedings and judgments that could materially affect the Offeror's financial position or ability to provide service to the County.

6.3 EVALUATION SELECTION PROCESS

A weighted analysis of the evaluation criteria will be utilized to determine the Vendor that represents the best value solution for the County.

In the evaluation and scoring/ranking of Offerors, the County will consider the information submitted in the RFP as well as the meetings (if applicable) with respect to the evaluation criteria set forth in the RFP.

The initial evaluation criteria/factors and relative weights listed below will be used to recommend selection of the Proposed Offeror or for the purpose of selecting Short-Listed Offerors. The County may choose to award without engaging in interview discussions.

RFP Criteria	Weights
Company Background and Experience	40%
Project Team, Methodology & Implementation Plan	35%
Price	15%
Compliance with Submittal Requirements	10%

Vendors may be invited to give a demonstration of the capabilities of the proposed solution to the Union County evaluation team. The successful bidder's demonstration (if requested), along with questions and answers, will be a critical component of the overall vendor evaluation.

After identification of Short-Listed Offerors, the County may or may not decide to invite Short-Listed Offerors to vendor demonstration/interviews. If interviews are scheduled with the Short-Listed Offerors, previous evaluation and rankings are not carried forward. For the purpose of selecting a Preferred Offeror, the evaluation criteria will be given the following relative weights:

Interview Criteria	Weights
Proposed Approach & Staff	60%
Price, Quality and Relevance of Interview as it Relates to the Scope of the RFP	40%

Additional meetings may be held to clarify issues or to address comments, as deemed appropriate. Proposers will be notified in advance of the time and format of such meetings.

6.4 AWARD PROCEDURE

Union County has the right to reject any or all proposals, to engage in further negotiations with any Company submitting a proposal, and/or to request additional information or clarification. The County is not obligated to accept the lowest cost proposal. The County may accept the proposal that best serves its needs, as determined by County officials in their sole discretion.

The County reserves the right to make an award without further discussion of the proposals received. Therefore, it is important that the proposal be submitted initially on the most favorable terms.

A proposal may be rejected if it is incomplete. Union County may reject any or all proposals and may waive any immaterial deviation in a proposal.

More than one proposal from an individual, Offeror, partnership, corporation or association under the same or different names, will not be considered.

The County reserves the right to enter into negotiations with the top ranked Offeror. However, negotiations with the top ranked Offeror does not signify a commitment by Union County to execute a contract or to continue discussions.

The County reserves the right to terminate negotiations at any time and for any reason. The County may select and enter into negotiations with the next most advantageous Proposer if negotiations with the initially chosen Proposer are not successful.

The award shall be made in the best interest of the County. This Request for Proposal is not subject to any competitive bidding requirements of North Carolina law. The County reserves the right to accept other than the most financially advantageous proposal.

The award document will be a Contract incorporating, by reference, all the requirements, terms and conditions of the solicitation and the Offeror's proposal as negotiated.

6.5 CONFLICT CERTIFICATION

The Offeror must certify that it does not have any actual or potential conflicts of interest with, or adversarial litigation against the County or any of its officers or employees. During the course of the contractual relationship formed pursuant to this solicitation, any such conflict of interest, whether newly arising or newly discovered, must be disclosed to the County in writing.

7 GENERAL CONDITIONS AND REQUIREMENTS

7.1 TERMS AND CONDITIONS

Union County has the right to reject any or all proposals, to engage in further negotiations with any Company submitting a proposal, and/or to request additional information or clarification. The County is not obligated to accept the lowest cost proposal. The County may accept that proposal that best serves its needs, as determined by County officials in their sole discretion.

All payroll taxes, liability and worker's compensation are the sole responsibility of the Offeror. The Offeror understands that an employer/employee relationship does not exist under this contract.

All proposals submitted in response to this request shall become the property of Union County and as such, may be subject to public review.

7.2 CONTRACTUAL OBLIGATIONS

The contents of this Proposal and the commitments set forth in the selected Proposal(s) shall be considered contractual obligations, if a contract ensues. Failure to accept these obligations may result in cancellation of the award. All legally required terms and conditions shall be incorporated into final contract agreements with the selected Service Provider(s).

7.3 SUB-CONTRACTOR/PARTNER DISCLOSURE

If the proposal by any Company requires the use of sub-contractors, partners, and/or third-party products or services, this must be clearly stated in the proposal. The Company submitting the proposal shall remain solely responsible for the performance of all work, including work that is done by sub-contractors.

7.4 EXCEPTION TO THE PROPOSAL

An “exception” is defined as the Service Provider’s inability or unwillingness to meet a term, condition, specification, or requirement in the manner specified in the Proposal. All exceptions taken must be identified and explained in writing in the proposal and must specifically reference the relevant section(s) of this Proposal. Other than exceptions that are stated in compliance with this Section, each proposal shall be deemed to agree to comply with all terms, conditions, specifications, and requirements of this Proposal. If the Service Provider provides an alternate solution when taking an exception to a requirement, the benefits of this alternate solution and impact, if any, on any part of the remainder of the Service Provider’s solution, must be described in detail.

7.5 MODIFICATION OR WITHDRAWAL OF PROPOSAL

Prior to the scheduled closing time for receiving proposals, any Vendor may withdraw their proposal. After the scheduled closing time for receiving proposals, no proposal may be withdrawn for 180 days. Only written requests for the modification or correction of a previously submitted proposal that are addressed in the same manner as proposals and are received by the County prior to the closing time for receiving proposals will be accepted. The proposal will be corrected in accordance with such written requests, provided that any such written request is in a sealed envelope that is plainly marked “Modification of Proposal” – with solicitation number and name on the front of the envelope. Oral, telephone, or fax modifications or corrections will not be recognized or considered.

7.6 EQUAL EMPLOYMENT OPPORTUNITY

All Offerors will be required to follow Federal Equal Employment Opportunity (EEO) policies. Union County will affirmatively assure that on any project constructed pursuant to this advertisement, equal employment opportunity will be offered to all persons without regard to race, color, creed, religion, national origin, sex, and marital status, status with regard to public assistance, membership or activity in a local commission, disability, sexual orientation, or age.

7.7 MINORITY BUSINESSES OR DISADVANTAGED BUSINESSES

It is the policy of Union County that Minority Businesses (MBEs), Disadvantaged Business Enterprises (DBEs) and other small businesses shall have the opportunity to compete fairly in contracts financed in whole or in part with public funds. Consistent with this policy, Union County will not allow any person or business to be excluded from participation in, denied the benefits of, or otherwise be discriminated against in connection with the award and performance of any contract because of sex, race, religion, or national origin.

7.8 LICENSES

The successful Offeror(s) shall have and maintain a valid and appropriate business license (if applicable), meet all local, state, and federal codes, and have current all required local, state, and federal licenses.

7.9 E-VERIFY

E-Verify is the federal program operated by the United States Department of Homeland Security and other federal agencies, or any successor or equivalent program, used to verify the work authorization of newly hired employees pursuant to federal law. Vendor/Offeror shall ensure that Offeror and any Sub-Contractor performing work under this contract: (i) uses E-Verify if required to do so; and (ii) otherwise complies with applicable law.

7.10 DRUG-FREE WORKPLACE

During the performance of this Request, the Offeror agrees to provide a drug-free workplace for their employees; post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the workplace and specify the actions that will be taken against employees for violations of such prohibition; and state in all solicitations or advertisements for employees placed by or on behalf of the Offeror that the Offeror maintains a drug-free workplace.

For the purposes of this section, “drug-free workplace” means a site for the performance of work done in connection with a specific contract awarded to a Offeror/Offerors in accordance with this chapter, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the Request.

7.11 INSURANCE

One or more of the following insurance limits may be required if it is applicable to the project. The County reserves the right to require additional insurance depending on the nature of the agreement.

At Contractor’s sole expense, Contractor shall procure and maintain the following minimum insurances with insurers authorized to do business in North Carolina and rated A-VII or better by A.M. Best, or as otherwise authorized by the Union County Risk Manager.

A. WORKERS' COMPENSATION
Statutory (coverage for three or more employees) limits covering all employees, including Employer's Liability with limits of:

$500,000 Each Accident
$500,000 Disease - Each Employee
$500,000 Disease - Policy Limit

B. COMMERCIAL GENERAL LIABILITY
(for any agreement unless otherwise waived by the Risk Manager)
Covering Ongoing and Completed Operations involved in this Agreement.

$2,000,000 General Aggregate
$2,000,000 Products/Completed Operations Aggregate
$1,000,000 Each Occurrence
$1,000,000 Personal and Advertising Injury Limit

C. COMMERCIAL AUTOMOBILE LIABILITY
(for any agreement involving the use of a contractor vehicle while conducting services associated with the agreement)

$1,000,000 Combined Single Limit - Any Auto

D. PROFESSIONAL LIABILITY
(only for any agreement providing professional service such as engineering, architecture, surveying, consulting services, etc.)

$1,000,000 Claims Made

E. NETWORK SECURITY & PRIVACY LIABILITY (CYBER)
(for any agreement involving software applications)

$1,000,000 Claims Made

Contractor shall provide evidence of continuation or renewal of Professional Liability Insurance for a period of two (2) years following termination of the Agreement.

ADDITIONAL INSURANCE REQUIREMENTS

A. The Contractor's General Liability policy shall be endorsed, specifically or generally, to include the following as Additional Insured:

UNION COUNTY, ITS OFFICERS, AGENTS AND EMPLOYEES ARE INCLUDED AS ADDITIONAL INSURED WITH RESPECTS TO THE GENERAL LIABILITY INSURANCE POLICY.

Additional Insured status for Completed Operations shall extend for a period of not less than three (3) years from the date of final payment.

B. Before commencement of any work or event, Contractor shall provide a Certificate of Insurance in satisfactory form as evidence of the insurances required above.

C. Contractor shall have no right of recovery or subrogation against Union County (including its officers, agents and employees).

D. It is the intention of the parties that the insurance policies afforded by contractor shall protect both parties and be primary and non-contributory coverage for any and all losses covered by the above-described insurance.

E. Union County shall have no liability with respect to Contractor's personal property whether insured or not insured. Any deductible or self-insured retention is the sole responsibility of Contractor.

F. Notwithstanding the notification requirements of the Insurer, Contractor hereby agrees to notify County's Risk Manager at 500 N. Main Street # 130, Monroe, NC 28112, within two (2) days of the cancellation or substantive change of any insurance policy set out herein. Union, in its sole discretion, may deem failure to provide such notice as a breach of this Agreement.

G. The Certificate of Insurance should note in the Description of Operations the following:

Department: _____
Contract #: _____

H. Insurance procured by Contractor shall not reduce nor limit Contractor's contractual obligation to indemnify, save harmless and defend Union County for claims made or suits brought which result from or are in connection with the performance of this Agreement.

I. Certificate Holder shall be listed as follows:

Union County
Attention: Union County Risk Manager
500 N. Main Street, Suite #130
Monroe, NC 28112

J. If Contractor is authorized to assign or subcontract any of its rights or duties hereunder and in fact does so, Contractor shall ensure that the assignee or subcontractor satisfies all requirements of this Agreement, including, but not limited to, maintenance of the required insurances coverage and provision of certificate(s) of insurance and additional insured endorsement(s), in proper form prior to commencement of services.

7.12 INDEMNIFICATION

Contractor agrees to protect, defend, indemnify and hold Union County, its officers, employees and agents free and harmless from and against any and all losses, penalties, damages, settlements, costs, charges, professional fees or other expenses or liabilities of every kind and character arising out of or relating to any and all claims, liens, demands, obligations, actions, proceedings, or causes of action of every kind in connection with or arising out of this agreement and/or the performance hereof that are due, in whole or in part, to the negligence of the Contractor, its officers, employees, subcontractors or agents. Contractor further agrees to investigate, handle, respond to, provide defense for, and defend the same at its sole expense and agrees to bear all other costs and expenses related thereto.

8 APPENDIX A – PRICE FORM

RFP 2026-044 Aeration Tank Cleaning
Submit with Proposal

Company Name _____

DESCRIPTION	MOBILIZATION	DEMOBILIZATION	PRICE PER WET TON	ESTIMATED VOLUME TO BE REMOVED (WET TONS)	ESTIMATED TOTAL PRICE
Refer to section 4. Scope of Services					$

Note: The estimated volume to be removed and the estimated total price are provided for budgeting and comparison purposes only. Actual quantities will be determined during performance of the work. Evaluation of pricing will be based primarily on mobilization costs, demobilization costs, and the price per wet ton.

9 APPENDIX B – PROPOSAL SUBMISSION

RFP 2026-044 Aeration Tank Cleaning

Submit with Proposal

This Proposal is submitted by:

Company Legal Name: _____

Representative Name: _____

Representative Signature: _____

Representative Title: _____

Address: _____

County/State/Zip: _____

Email Address: _____

Phone Number: _____

Website Address: _____

It is understood that Union County reserves the right to reject any and all proposals, to make awards according to the best interest of the County, to waive formalities, technicalities, to recover and re-advertise this project. Proposal is valid for 180 days. Proposal is submitted by an executive of the company that has authority to contract with Union County, NC.

Name: _____

Title: _____

Required Signature: _____

Date: _____

10 APPENDIX C – ADDENDUM AND ANTI-COLLUSION

RFP 2026-044 Aeration Tank Cleaning

Submit with Proposal

Please acknowledge receipt of all addenda by including this form with your Proposal. Any questions or changes received will be posted as an addendum on unioncountync.gov and/or https://evp.nc.gov. It is your responsibility to check for this information.

Addendum No.	Date Downloaded

I certify that this proposal is made in good faith and without collusion with any other offeror or officer or employee of Union County.

Company Name: _____

Name: _____

Title: _____

Email Address: _____

Signature: _____

Date: _____

11 APPENDIX D – AERATION TANK DRAWINGS

RFP 2026-044 Aeration Tank Cleaning

Informational Purposes Only - Do not submit with proposal.

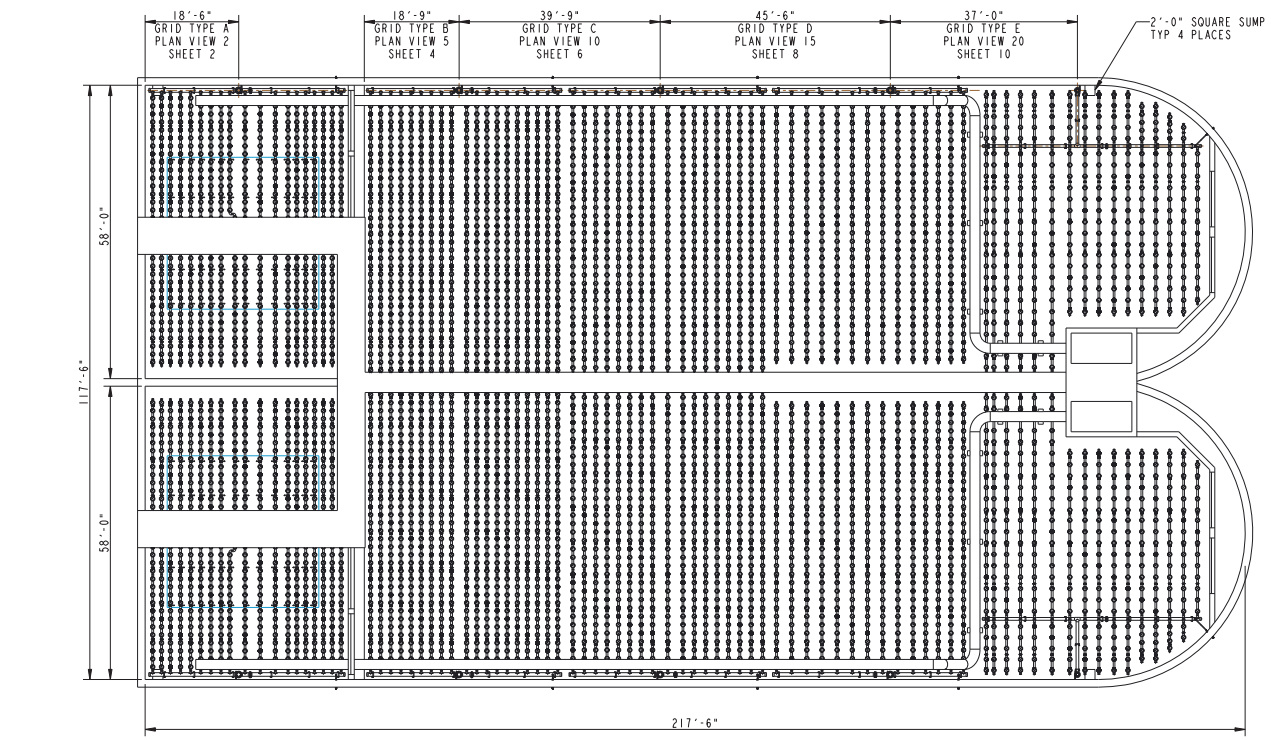
Request for Proposals No. 2026-044
Aeration Tank Cleaning

Due Date:	March 10, 2026
Time:	11:00 AM EST
Receipt Location:	Electronic Submission (Refer to Section 2) Union County Procurement and Contract Management Department (Note: Follow the submittal instructions in Section 2.2 to electronically upload a proposal package.)

Non-Mandatory Pre-Proposal Conference and Site Visit. February 11, 2026. For the time and location, Refer to page 3 for details.

Procurement Contact:

Juan Rodriguez-Cruz
Procurement Specialist
704.283.3519
Juan.Rodriguez-Cruz@unioncountync.gov



08/31/15	MEMBRANE DISC AERATION SYSTEM MATERIAL AND MANUFACTURING SPECIFICATIONS (304L, PVC)		
ITEM	MATERIAL SPECIFICATION	MANUFACTURING SPECIFICATION	NOTES
DROPLEG	304L STAINLESS STEEL ASTM A240	FITTINGS: ASTM A774 TUBULAR PRODUCTS: ASTM A778 DIMENSIONS: ASTM A554	*304 DRILLING FOR TERMINATION FLANGE CONNECTION. SCHEDULE 5S OR .065 WALL THICKNESS ON DROPLEG. *SEE BELOW
SUPPORTS	304L STAINLESS STEEL SHEET & PLATE PER ASTM A240 THREADED ROD PER ASTM A276	———	"L" GRADE NOT REQUIRED FOR NON-WELDED PARTS
BOLTS, NUTS, WASHERS	18-8 STAINLESS STEEL	———	———
FIXED JOINT O-RING	NATURAL RUBBER/SBR	———	45±5 DUROMETER SHORE A COMPRESSION SET 35 MAX
MANIFOLD & LOWER DROPLEG	PVC, ASTM D1784 COMPOUND 12454-B	PIPE: ASTM D1785 FITTINGS: ASTM D2466	———
MANIFOLD & AIR DISTRIBUTORS	PVC, ASTM D3915 COMPOUND 12452	PIPE: ASTM D3034 FITTINGS: ASTM D3034	MINIMUM 2% TITANIUM DIOXIDE
DIFFUSER HOLDER SUBPLATE, RETAINING RING	PVC, ASTM D3915 COMPOUND 12452	———	MINIMUM 2% TITANIUM DIOXIDE
DIFFUSER ELEMENT	EPDM	———	———
PVC SOLVENT WELDING	ASTM D2564	ASTM D2855	———

*STAINLESS STEEL DROPLEG FABRICATION
FACTORY WELD ONLY WITH MIG, TIG, OR PLASMA-ARC WELDING INERT GAS PROCESSES, FULL PENETRATION BUTT WELDS, ER 316L FILLER WIRE. AFTER FABRICATION FINISH CLEAN ALL WELDED STAINLESS STEEL ASSEMBLIES BY FULL IMMERSION CLEANING TECHNIQUES IN ACCORDANCE TO 6.2.11 OF ASTM A380-86. THE ACID FOR USE DEFINED BY TABLE A2.1 OF ANNEX A2 OF ASTM A380. FINAL RINSE AND DRY IN ACCORDANCE TO SECTION 8.3 OF ASTM A380. ALL WELDED SURFACES TO CONFORM TO AISI NO. 2D FINISH.

XX
X
VIEW, SECTION, OR DETAIL NUMBER
SHEET NUMBER ON WHICH VIEW, SECTION, OR DETAIL IS FOUND

KEY PLAN (1)

TANKS 1 AND 2 AS SHOWN
TANKS 5 AND 6 IDENTICAL

NOTE:
PLEASE VERIFY ALL DIMENSIONS AND ELEVATIONS, INCLUDING: INSIDE TANK DIMENSIONS, DROPLEG LOCATIONS, ELEVATIONS OF DROPLEGS CONNECTIONS, FACE OF FLANGES, DIFFUSER ELEVATIONS, FLAT FLOOR AND HIGHPOINT/LOWPOINT ELEVATIONS OF SLOPED FLOOR.

FOR RECORD ONLY.
EQUIPMENT SHOWN HAS BEEN RELEASED FOR FABRICATION.
xylem
03/21/17

WARNING
xylem DOES NOT ACCEPT RESPONSIBILITY FOR UNDOCUMENTED CUSTOMER INITIATED CHANGES TO ELECTRONICALLY TRANSMITTED DRAWINGS

REV	DATE	REVISION	BY
2	03/21/17	CHANGES PER JON S. REV SHEET DATED 03/14/17	TJC
1	02/23/17	CHANGES PER JON S. REV SHEET DATED 02/20/17	TJC

UNION COUNTY
NORTH CAROLINA
TWELVE MILE CREEK
WASTEWATER TREATMENT PLANT

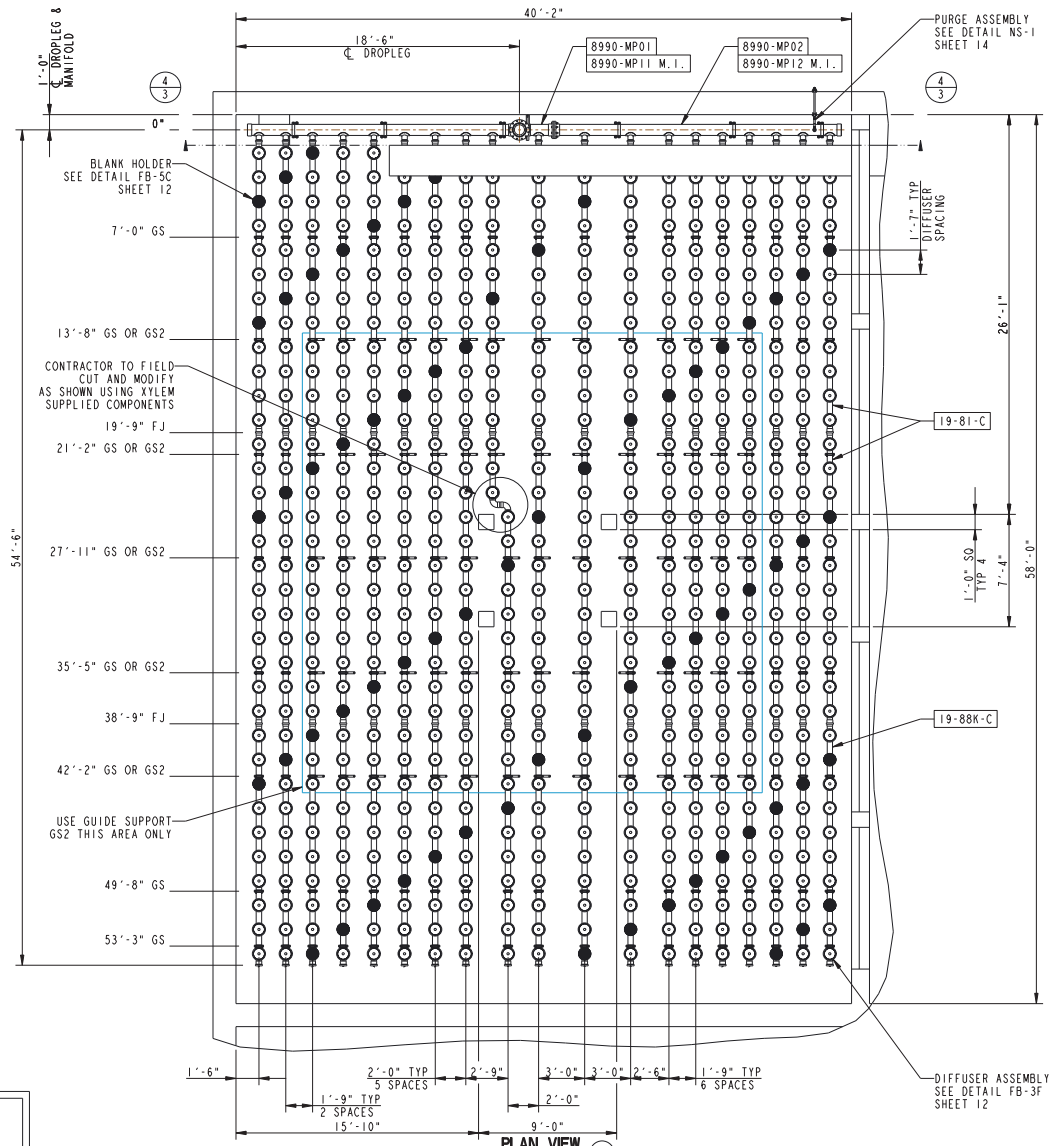
THIS DRAWING IS THE PROPERTY OF XYLEM AND IS SUBMITTED IN CONFIDENCE. IT IS NOT TO BE DISCLOSED, USED OR DUPLICATED WITHOUT PERMISSION OF XYLEM.

KEY PLAN

SANITAIRE
a xylem brand
BROWN DEER, WISCONSIN 53223

DRWN BY	TJC	DATE 01/06/17	DISAP.
CHKD BY	JS	DATE 02/01/17	WTR.
APPVD BY	JS	DATE 02/01/17	SIZE D REV. B

JOB NO. 16-8990S
DRWG NO. E-1
SHEET 1 OF 14



PLAN VIEW (2)

GRID TYPE A
2 REQ'D AS SHOWN (TANK 1 AND 5)
2 REQ'D MIRROR IMAGE (TANK 2 AND 6)

NOTE: SUPPORT SPACING

Every attempt has been made to insure locational dimensions of the supports are correct. However, after one line of air distributor anchors for any grid type have been installed, the locationsmust be checked for proper clearances by installing the supplied air headers. Spacing between lines must be checked for fit with the cross manifold and drain line. Any discrepancies or interferences must be brought to the attention of XYLEM prior to further installation.

The actual support anchor locations must be indexed from the centerline of the manifold. The actual accumulative dimensional error from the manifold to the anchor bolt must not exceed ± 3/4".

GRID TYPE A
4-TANK(S)
1-GRID(S) PER TANK
19-AIR DISTRIBUTORS PER GRID
34-DIFFUSER HOLDERS PER DISTRIBUTOR
VARIES-DIFFUSER ELEMENTS PER DISTRIBUTOR
646-DIFFUSER HOLDERS PER GRID
575-DIFFUSER ELEMENTS INSTALLED PER GRID
2300-TOTAL DIFFUSER ELEMENTS INSTALLED
FOR THIS GRID TYPE
71-BLANKS PER GRID

LEGEND

FJ - FIXED JOINT
SEE DETAIL FB-10A
SHEET-12

GS - GUIDE SUPPORT
SEE DETAIL SUP-2
SHEET-13

GS2 - GUIDE SUPPORT
SEE DETAIL SUP-2A
SHEET-13

- FOR TYPICAL AIR DISTRIBUTOR SECTION
SEE DETAIL FB-22K
SHEET-12

FOR GS & GS2		
TANK	SUPPORT	STRUT
1 & 2	2354-3SP	1878-48
5 & 6	2354-2SP	1878-46

NOTE:
PLEASE VERIFY ALL DIMENSIONS AND ELEVATIONS, INCLUDING: INSIDE TANK DIMENSIONS, DROPLEG LOCATIONS, ELEVATIONS OF DROPLEGS CONNECTIONS, FACE OF FLANGES, DIFFUSER ELEVATIONS, FLAT FLOOR AND HIGHPOINT/LOWPOINT ELEVATIONS OF SLOPED FLOOR.

WARNING
xylem DOES NOT ACCEPT RESPONSIBILITY FOR UNDOCUMENTED CUSTOMER INITIATED CHANGES TO ELECTRONICALLY TRANSMITTED DRAWINGS

REV	DATE	REVISION	BY

UNION COUNTY
NORTH CAROLINA
TWELVE MILE CREEK
WASTEWATER TREATMENT PLANT

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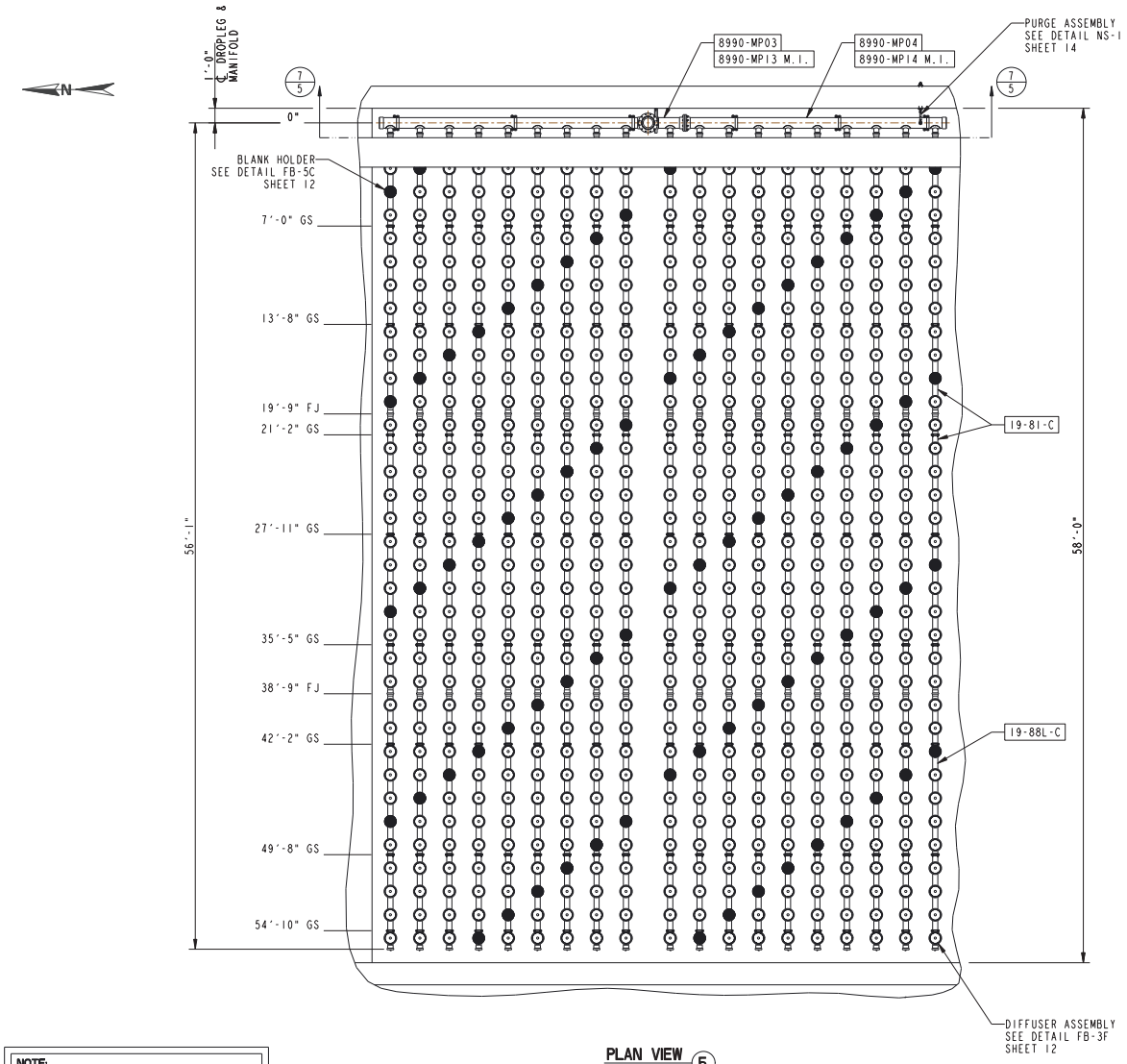
PLAN VIEW
GRID TYPE A

SANITAIRE
a xylem brand
BROWN DEER, WISCONSIN 53223

DRWN BY TJC DATE 01/06/17	DSGN	JOB NO.	16-8990S
CHKD BY JS DATE 02/01/17	DTL	DRWG NO.	E-2
APPVD BY JS DATE 02/01/17	SIZE D REV. B		SHEET 2 OF 14



PLAN VIEW (5)

GRID TYPE B
2 REQ'D AS SHOWN (TANK 1 AND 5)
2 REQ'D MIRROR IMAGE (TANK 2 AND 6)

NOTE:
PLEASE VERIFY ALL DIMENSIONS AND ELEVATIONS, INCLUDING: INSIDE TANK DIMENSIONS, DROPLEG LOCATIONS, ELEVATIONS OF DROPLEGS CONNECTIONS, FACE OF FLANGES, DIFFUSER ELEVATIONS, FLAT FLOOR AND HIGHPOINT/LOWPOINT ELEVATIONS OF SLOPED FLOOR.

NOTE: SUPPORT SPACING

Every attempt has been made to insure locational dimensions of the supports are correct. However, after one line of air distributor anchors for any grid type have been installed, the locationsmust be checked for proper clearances by installing the supplied air headers. Spacing between lines must be checked for fit with the cross manifold and drain line. Any discrepancies or interferences must be brought to the attention of XYLEM prior to further installation.

The actual support anchor locations must be indexed from the centerline of the manifold. The actual accumulative dimensional error from the manifold to the anchor bolt must not exceed ± 3/4".

GRID TYPE B
4-TANK(S)
1-GRID(S) PER TANK
19-AIR DISTRIBUTORS PER GRID
35-DIFFUSER HOLDERS PER DISTRIBUTOR
VARIES-DIFFUSER ELEMENTS PER DISTRIBUTOR
665-DIFFUSER HOLDERS PER GRID
588-DIFFUSER ELEMENTS INSTALLED PER GRID
2352-TOTAL DIFFUSER ELEMENTS INSTALLED
FOR THIS GRID TYPE
77-BLANKS PER GRID

LEGEND

FJ - FIXED JOINT
SEE DETAIL FB-10A
SHEET-12

GS - GUIDE SUPPORT
SEE DETAIL SUP-1
SHEET-13

FOR GS	
TANK	SUPPORT
1 & 2	2346-3SP
5 & 6	2346-2SP

- FOR TYPICAL AIR DISTRIBUTOR SECTION
SEE DETAIL FB-22K
SHEET-12

REV	DATE	REVISION	BY

UNION COUNTY
NORTH CAROLINA
TWELVE MILE CREEK
WASTEWATER TREATMENT PLANT

THIS DRAWING IS THE PROPERTY OF XYLEM AND IS SUBMITTED IN CONFIDENCE. IT IS NOT TO BE DISCLOSED, USED OR DUPLICATED WITHOUT PERMISSION OF XYLEM.

PLAN VIEW
GRID TYPE B

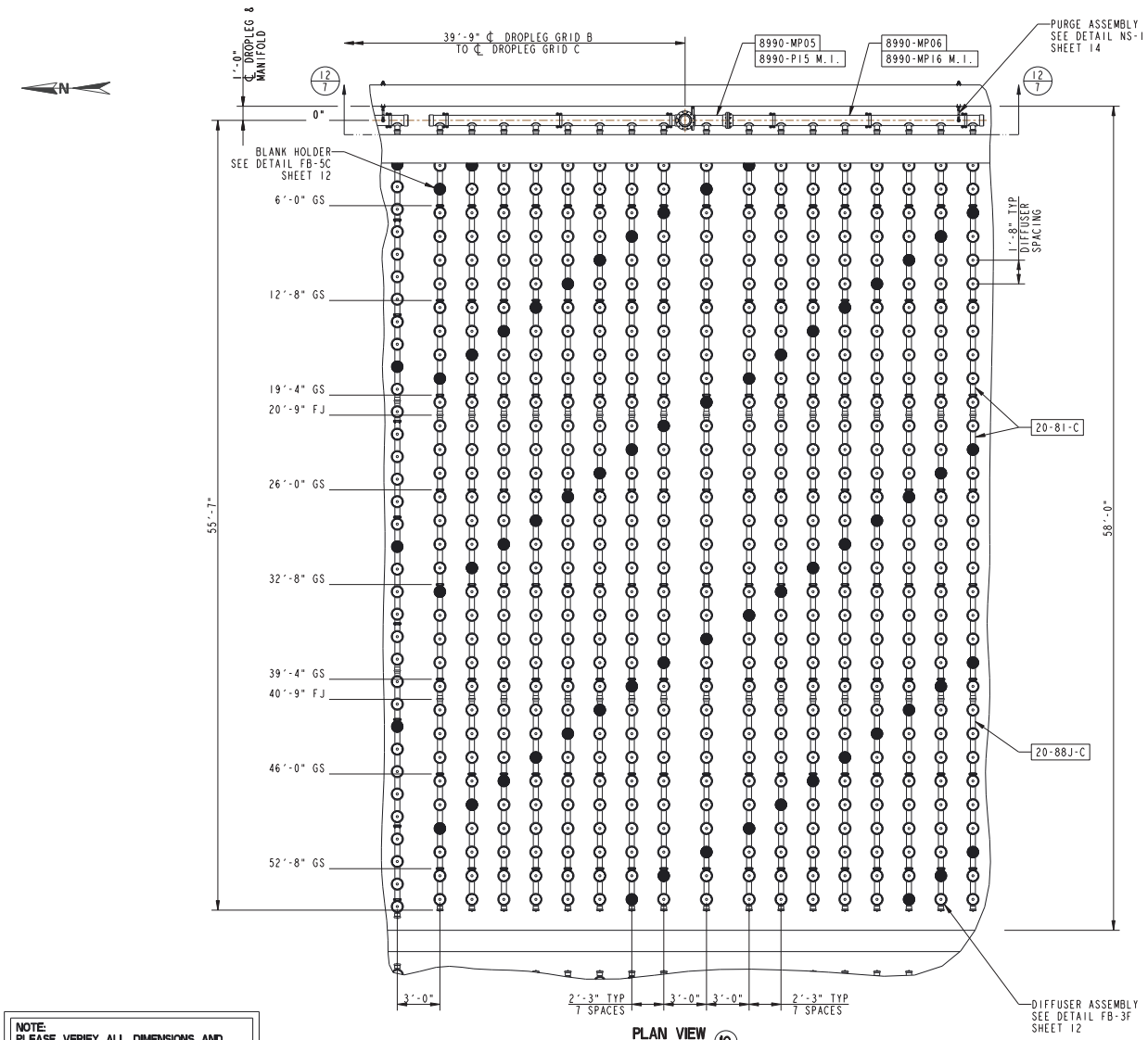
FOR APPROVAL ONLY.
NOT FOR CONSTRUCTION.
xylem
03/21/17

WARNING
xylem DOES NOT ACCEPT RESPONSIBILITY FOR UNDOCUMENTED CUSTOMER INITIATED CHANGES TO ELECTRONICALLY TRANSMITTED DRAWINGS

SANITAIRE
a xylem brand
BROWN DEER, WISCONSIN 53223

DRWN BY	TJC DATE 01/06/17	SHOP	
CHKD BY	JS DATE 02/01/17	SITE	
APPVD BY	JS DATE 02/01/17	SIZE D REV. B	

JOB NO. 16-8990S
DRAWING NO. E-4
SHEET 4 OF 14



PLAN VIEW (10)

GRID TYPE C
2 REQ'D AS SHOWN (TANK 1 AND 5)
2 REQ'D MIRROR IMAGE (TANK 2 AND 6)

NOTE:
PLEASE VERIFY ALL DIMENSIONS AND ELEVATIONS, INCLUDING: INSIDE TANK DIMENSIONS, DROPLEG LOCATIONS, ELEVATIONS OF DROPLEGS CONNECTIONS, FACE OF FLANGES, DIFFUSER ELEVATIONS, FLAT FLOOR AND HIGHPOINT/LOWPOINT ELEVATIONS OF SLOPED FLOOR.

NOTE: SUPPORT SPACING

Every attempt has been made to insure locational dimensions of the supports are correct. However, after one line of air distributor anchors for any grid type have been installed, the locationsmust be checked for proper clearances by installing the supplied air headers. Spacing between lines must be checked for fit with the cross manifold and drain line. Any discrepancies or interferences must be brought to the attention of XYLEM prior to further installation.

The actual support anchor locations must be indexed from the centerline of the manifold. The actual accumulative dimensional error from the manifold to the anchor bolt must not exceed ± 3/4".

GRID TYPE C
4-TANK(S)
1-GRID(S) PER TANK
17-AIR DISTRIBUTORS PER GRID
33-DIFFUSER HOLDERS PER DISTRIBUTOR
VARIES-DIFFUSER ELEMENTS PER DISTRIBUTOR
561-DIFFUSER HOLDERS PER GRID
499-DIFFUSER ELEMENTS INSTALLED PER GRID
1996-TOTAL DIFFUSER ELEMENTS INSTALLED FOR THIS GRID TYPE
62-BLANKS PER GRID

LEGEND

FJ - FIXED JOINT SEE DETAIL FB-10A SHEET-12

GS - GUIDE SUPPORT SEE DETAIL SUP-1 SHEET-13

FOR GS	
TANK	SUPPORT
1 & 2	2346-3SP
5 & 6	2346-2SP

- FOR TYPICAL AIR DISTRIBUTOR SECTION SEE DETAIL FB-22K SHEET-12

REV	DATE	REVISION	BY

UNION COUNTY
NORTH CAROLINA
TWELVE MILE CREEK
WASTEWATER TREATMENT PLANT

THIS DRAWING IS THE PROPERTY OF XYLEM AND IS SUBMITTED IN CONFIDENCE. IT IS NOT TO BE DISCLOSED, USED OR DUPLICATED WITHOUT PERMISSION OF XYLEM.

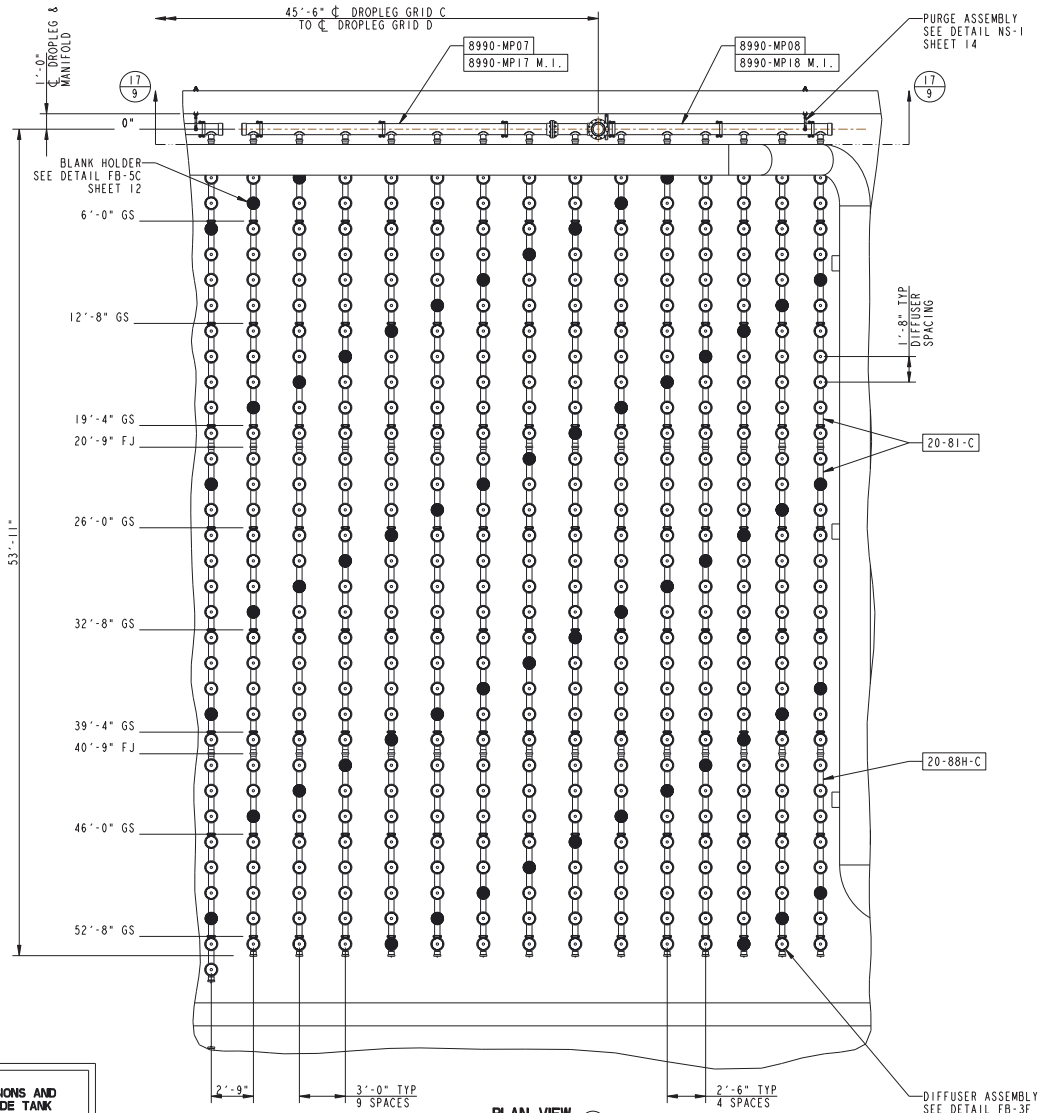
PLAN VIEW
GRID TYPE C

WARNING
xylem DOES NOT ACCEPT RESPONSIBILITY FOR UNDOCUMENTED CUSTOMER INITIATED CHANGES TO ELECTRONICALLY TRANSMITTED DRAWINGS

SANITAIRE
a xylem brand
BROWN DEER, WISCONSIN 53223

DRWN BY	TJC	DATE 01/06/17	DISCIP.
CHKD BY	JS	DATE 02/01/17	STTL
APPVD BY	JS	DATE 02/01/17	SIZE D REV. B

JOB NO. 16-8990S
DRWG NO. E-6
SHEET 6 OF 14



PLAN VIEW (15)

GRID TYPE D
2 REQ'D AS SHOWN (TANK 1 AND 5)
2 REQ'D MIRROR IMAGE (TANK 2 AND 6)

NOTE:
PLEASE VERIFY ALL DIMENSIONS AND ELEVATIONS, INCLUDING: INSIDE TANK DIMENSIONS, DROPLEG LOCATIONS, ELEVATIONS OF DROPLEGS CONNECTIONS, FACE OF FLANGES, DIFFUSER ELEVATIONS, FLAT FLOOR AND HIGHPOINT/LOWPOINT ELEVATIONS OF SLOPED FLOOR.

NOTE: SUPPORT SPACING

Every attempt has been made to insure locational dimensions of the supports are correct. However, after one line of air distributor anchors for any grid type have been installed, the locationsmust be checked for proper clearances by installing the supplied air headers. Spacing between lines must be checked for fit with the cross manifold and drain line. Any discrepancies or interferences must be brought to the attention of XYLEM prior to further installation.

The actual support anchor locations must be indexed from the centerline of the manifold. The actual accumulative dimensional error from the manifold to the anchor bolt must not exceed ± 3/4".

GRID TYPE D
4-TANK(S)
1-GRID(S) PER TANK
14-AIR DISTRIBUTORS PER GRID
32-DIFFUSER HOLDERS PER DISTRIBUTOR
VARIES-DIFFUSER ELEMENTS PER DISTRIBUTOR
448-DIFFUSER HOLDERS PER GRID
392-DIFFUSER ELEMENTS INSTALLED PER GRID
1568-TOTAL DIFFUSER ELEMENTS INSTALLED
FOR THIS GRID TYPE
56-BLANKS PER GRID

LEGEND

FJ - FIXED JOINT
SEE DETAIL FB-10A
SHEET-12

GS - GUIDE SUPPORT
SEE DETAIL SUP-1
SHEET-13

FOR GS	
TANK	SUPPORT
1 & 2	2346-3SP
5 & 6	2346-2SP

\- FOR TYPICAL AIR DISTRIBUTOR SECTION
SEE DETAIL FB-22K
SHEET-12

REV	DATE	REVISION	BY

UNION COUNTY
NORTH CAROLINA
TWELVE MILE CREEK
WASTEWATER TREATMENT PLANT

THIS DRAWING IS THE PROPERTY OF XYLEM AND IS SUBMITTED IN CONFIDENCE. IT IS NOT TO BE DISCLOSED, USED OR DUPLICATED WITHOUT PERMISSION OF XYLEM.

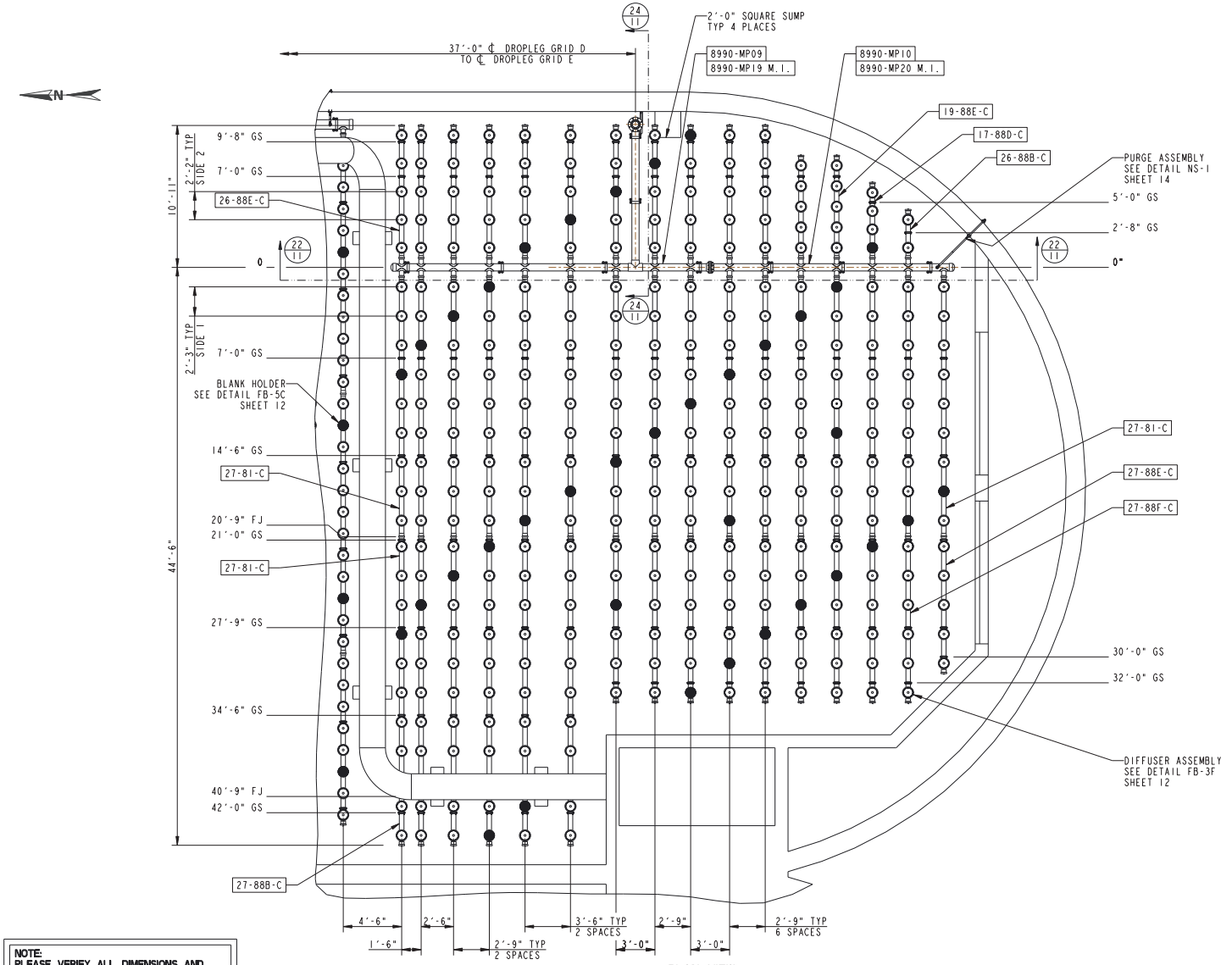
PLAN VIEW
GRID TYPE D

WARNING
xylem DOES NOT ACCEPT RESPONSIBILITY FOR UNDOCUMENTED CUSTOMER INITIATED CHANGES TO ELECTRONICALLY TRANSMITTED DRAWINGS

SANITAIRE
a xylem brand
BROWN DEER, WISCONSIN 53223

DRWN BY	TJC DATE 01/06/17	DSGN	
CHKD BY	JS DATE 02/01/17	MTRL	
APPVD BY	JS DATE 02/01/17	SIZE D REV. B	

JOB NO. 16-8990S
DRAWING NO. E-8
SHEET 8 OF 14



PLAN VIEW (20)

GRID TYPE E
2 REQ'D AS SHOWN (TANK 1 AND 5)
2 REQ'D MIRROR IMAGE (TANK 2 AND 6)

NOTE: SUPPORT SPACING

Every attempt has been made to insure locational dimensions of the supports are correct. However, after one line of air distributor anchors for any grid type have been installed, the locationsmust be checked for proper clearances by installing the supplied air headers. Spacing between lines must be checked for fit with the cross manifold and drain line. Any discrepancies or interferences must be brought to the attention of XYLEM prior to further installation.

The actual support anchor locations must be indexed from the centerline of the manifold. The actual accumulative dimensional error from the manifold to the anchor bolt must not exceed ± 3/4".

GRID TYPE E
4-TANK(S)
1-GRID(S) PER TANK
16-AIR DISTRIBUTORS PER GRID
VARIES-DIFFUSER HOLDERS PER DISTRIBUTOR
VARIES-DIFFUSER ELEMENTS PER DISTRIBUTOR
340-DIFFUSER HOLDERS PER GRID
303-DIFFUSER ELEMENTS INSTALLED PER GRID
1212-TOTAL DIFFUSER ELEMENTS INSTALLED
FOR THIS GRID TYPE
37-BLANKS PER GRID

LEGEND

FJ - FIXED JOINT
SEE DETAIL FB-10A
SHEET-12

GS - GUIDE SUPPORT
SEE DETAIL SUP-1
SHEET-13

FOR GS	
TANK	SUPPORT
1 & 2	2346-3SP
5 & 6	2346-2SP

- FOR TYPICAL AIR DISTRIBUTOR SECTION
SEE DETAIL FB-22K
SHEET-12

NOTE:
PLEASE VERIFY ALL DIMENSIONS AND ELEVATIONS, INCLUDING: INSIDE TANK DIMENSIONS, DROPLEG LOCATIONS, ELEVATIONS OF DROPLEGS CONNECTIONS, FACE OF FLANGES, DIFFUSER ELEVATIONS, FLAT FLOOR AND HIGHPOINT/LOWPOINT ELEVATIONS OF SLOPED FLOOR.

WARNING
xylem DOES NOT ACCEPT RESPONSIBILITY FOR UNDOCUMENTED CUSTOMER INITIATED CHANGES TO ELECTRONICALLY TRANSMITTED DRAWINGS

REV	DATE	REVISION	BY

UNION COUNTY
NORTH CAROLINA
TWELVE MILE CREEK
WASTEWATER TREATMENT PLANT

THIS DRAWING IS THE PROPERTY OF XYLEM AND IS SUBMITTED IN CONFIDENCE. IT IS NOT TO BE DISCLOSED, USED OR DUPLICATED WITHOUT PERMISSION OF XYLEM.

PLAN VIEW
GRID TYPE E

SANITAIRE
a xylem brand
BROWN DEER, WISCONSIN 53223

DRWN BY	TJC	DATE 01/06/17	DESIGN	JOB NO.	16-8990S
CHKD BY	JS	DATE 02/01/17	DETL		
APPVD BY	JS	DATE 02/01/17	SIZE D REV. B	DRWG NO.	E-10

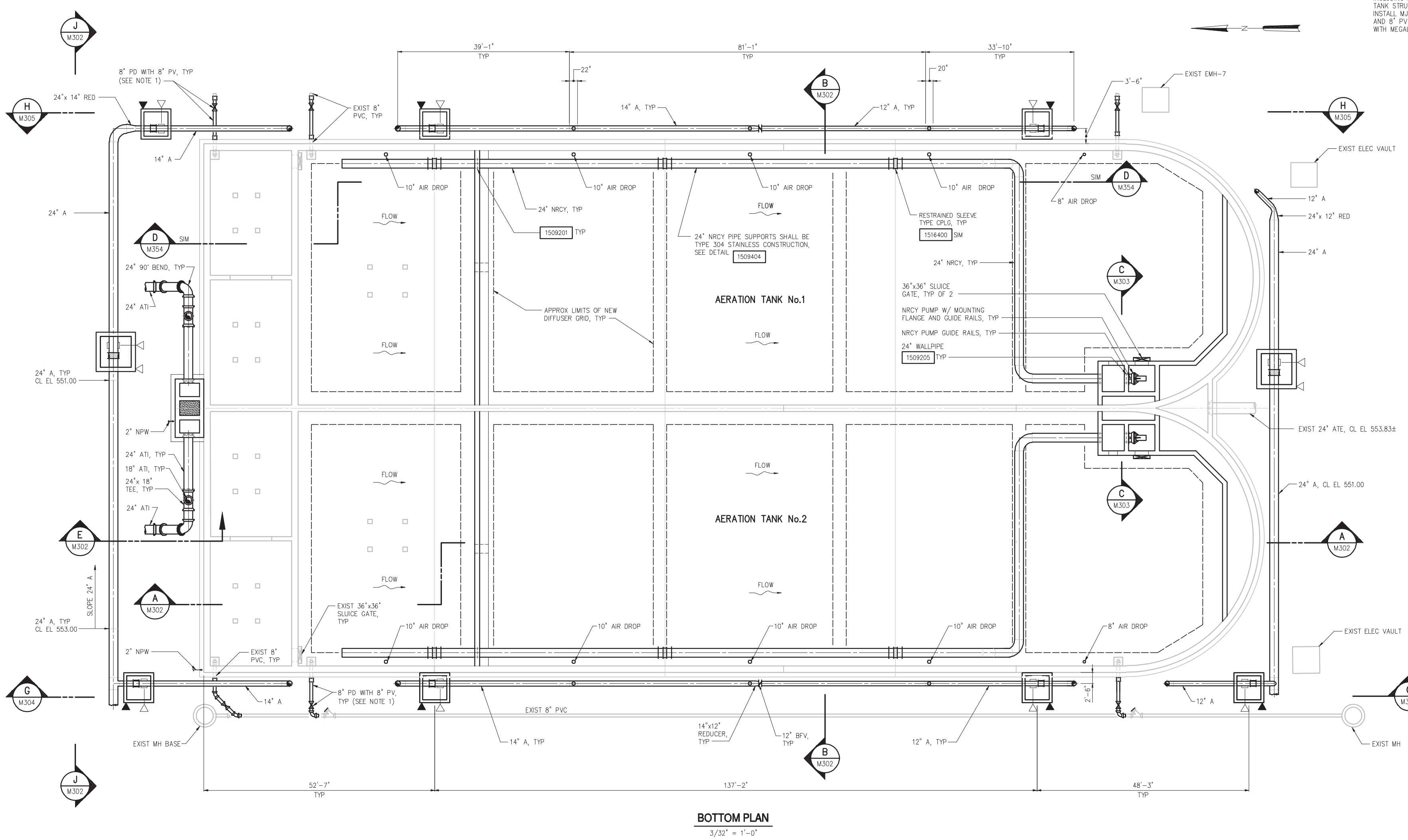
SHEET 10 OF 14

LEGEND

- ▲ DENOTES FIXED PIPE SUPPORT
- △ DENOTES SLIDING PIPE SUPPORT

NOTES:

1. AERATION TANK NO. 1: TYPICAL THREE (3) LOCATIONS: REMOVE MIN 8'-0" LENGTH OF EXIST 8" DRAIN PIPING INCLUDING EXIST PLUG VALVE. INSTALL NEW 8" PD AND 8" PV AND CONNECT TO EXISTING PIPING WITH MEGALUG COUPLINGS.
2. AERATION TANK NO. 2: TYPICAL THREE (3) LOCATIONS: REMOVE EXIST 8" DRAIN PIPING INCLUDING EXIST PLUG VALVE FROM EDGE OF TANK STRUCTURE TO WYE ON DRAIN HEADER. INSTALL MJ PLUG ON WYE. INSTALL NEW 8" PD AND 8" PV AND CONNECT TO EXISTING PIPING WITH MEGALUG COUPLINGS PER DETAIL 1/M303.



BOTTOM PLAN

3/32" = 1'-0"

NO.	ISSUED FOR	DATE	BY
3	CONSTRUCTION	4/16	H & S
2	BUILDING CODE ENFORCEMENT	4/16	H & S
1	REGULATORY APPROVAL	1/16	H & S

DESIGNED MDP
DRAWN HLF
CHECKED MDP
PROJ.ENGR. JNS
APPROVED

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 26432 MICHAEL D. PARKER 4/20/2016

Hazen
HAZEN AND SAWYER
4944 PARKWAY PLAZA BLVD, SUITE 375
CHARLOTTE, NORTH CAROLINA 28217
LICENSE NO. : C-0381

UNION COUNTY
NORTH CAROLINA

TWELVE MILE CREEK WWTP
7.5 mgd EXPANSION

AERATION TANKS NO.1 AND NO.2
MECHANICAL
BOTTOM PLAN

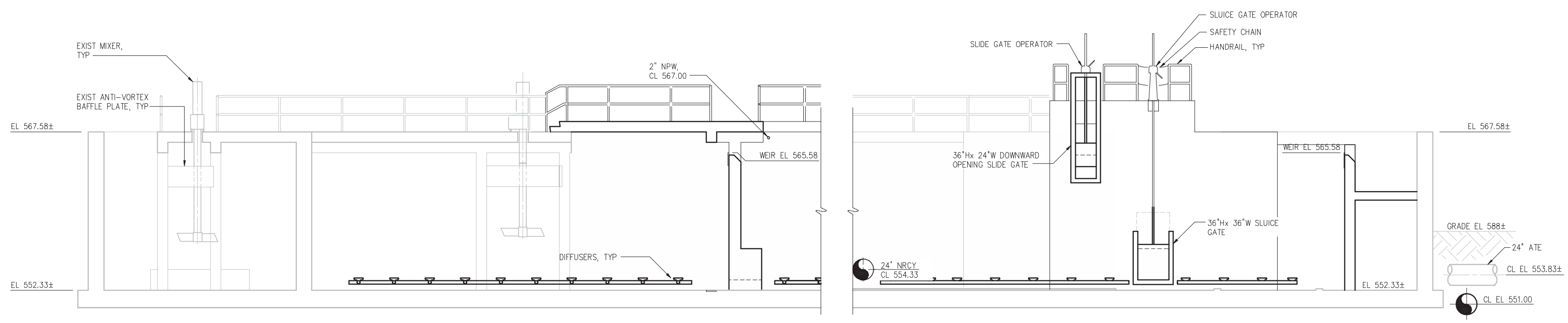
THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

DATE APRIL 2016
H & S JOB NUMBER 30831-045
CONTRACT NUMBER 1
DRAWING NUMBER M300

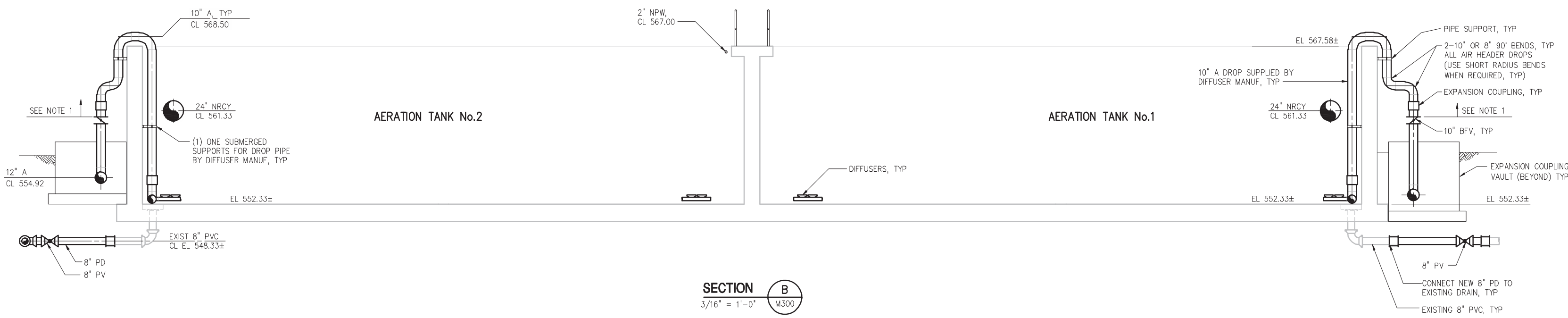
ISSUED FOR CONSTRUCTION

PLOT DATE: 4/20/2016 1:23PM BY: LPETTER

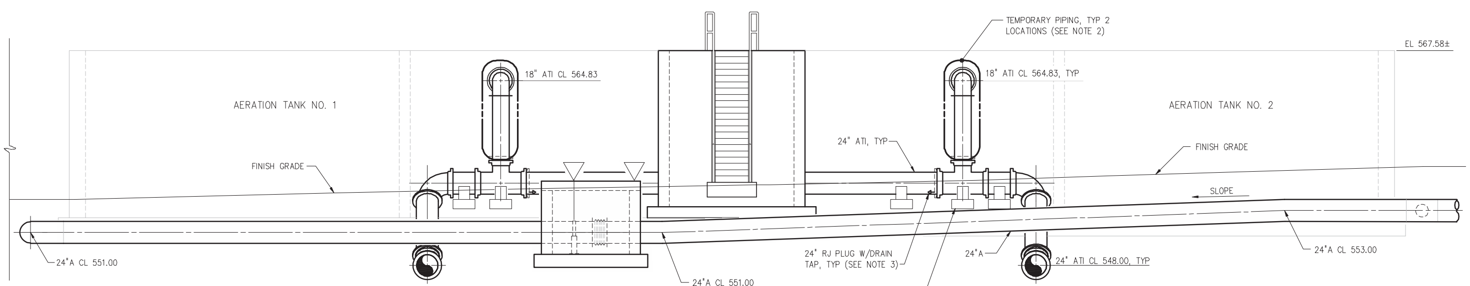
20160420 1:23P O:\30831\30831-045\Drawings\MECH\M300.dwg By LPETTER Last Saved By: mkarmanocky XREFs= ..\Title Blocks\30831-045-HSTB, ..\300 - AB 1&2\AB12-PB, ..\300 - AB 1&2\AB12-SECTION CUTS



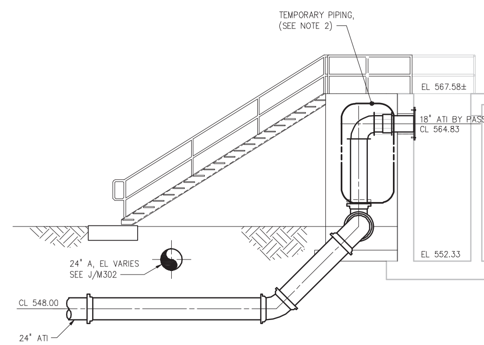
SECTION A
3/16" = 1'-0" M300



SECTION B
3/16" = 1'-0" M300



SECTION J
3/16" = 1'-0" M300



SECTION E
3/16" = 1'-0" M300

NOTES:

1. PIPING SUPPORTS AND EQUIPMENT DOWNSTREAM OF THE BUTTERFLY VALVE SHALL BE SUPPLIED BY THE DIFFUSER MANUFACTURER UNDER SECTION 11439, TYP.
2. TEMPORARY PIPING TO BE PLACED IN SERVICE TO DEMOLISH EXISTING INFLUENT STRUCTURE AND BUILD NEW INFLUENT STRUCTURE. INSTALL 18" BLIND FLANGE AND RJ PLUG AT TERMINATIONS WHEN TEMPORARY PIPING IS REMOVED.
3. PROVIDE TEMPORARY PLUG W/DRAIN TAP SIMILAR TO STD. DETAIL 1511501. REFER TO SECTION 01520 FOR CONSTRUCTION CONSTRAINTS.

NO.	ISSUED FOR	DATE	BY
3	CONSTRUCTION	4/16	H&S
2	BUILDING CODE ENFORCEMENT	4/16	H&S
1	REGULATORY APPROVAL	1/16	H&S

DESIGNED MDP
DRAWN HLF
CHECKED MDP
PROJ.ENGR. JNS
APPROVED

NORTH CAROLINA PROFESSIONAL SEAL 26432 ENGINEER MICHAEL D. PARKER 4/20/2016

Hazen
HAZEN AND SAWYER
4944 PARKWAY PLAZA BLVD, SUITE 375
CHARLOTTE, NORTH CAROLINA 28217
LICENSE NO. : C-0381

UNION COUNTY
NORTH CAROLINA

TWELVE MILE CREEK WWTP
7.5 mgd EXPANSION

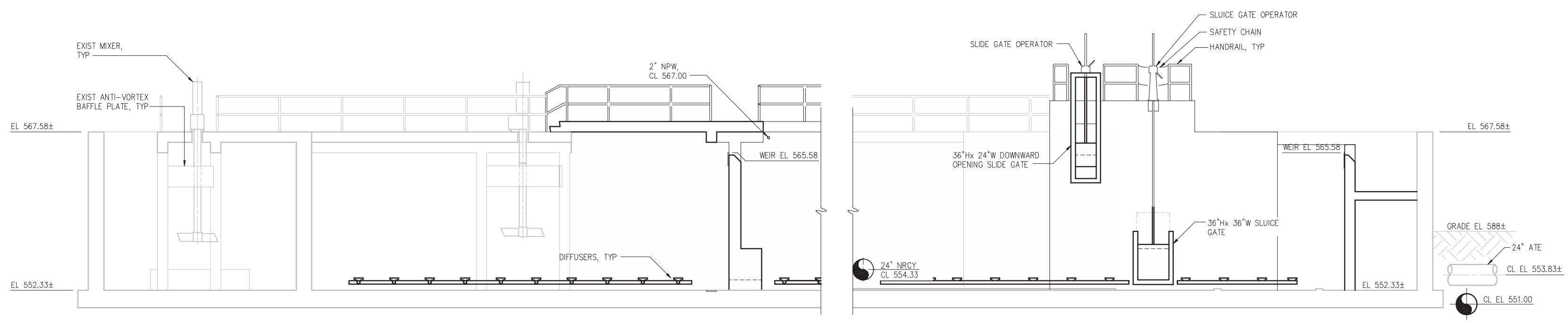
AERATION TANKS NO.1 AND NO.2
MECHANICAL
SECTIONS

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

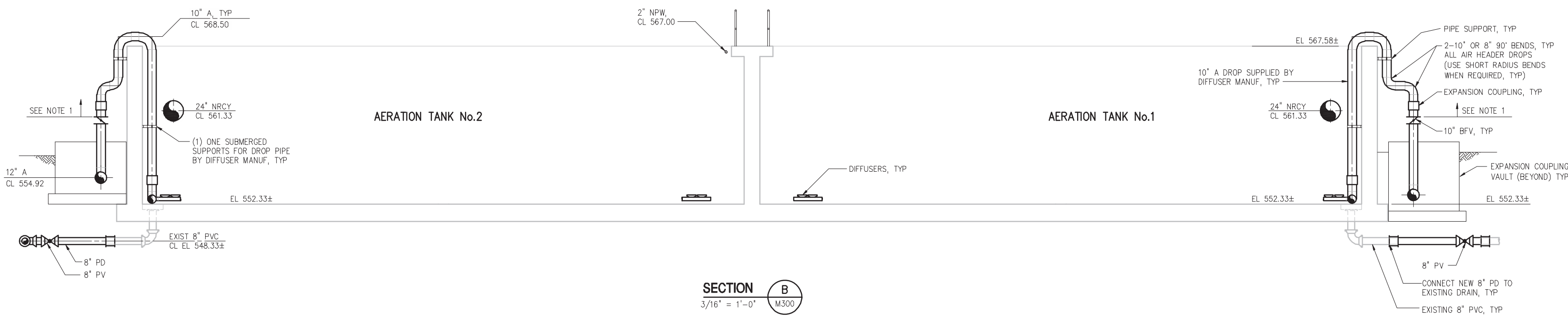
DATE APRIL 2016
H & S JOB NUMBER 30831-045
CONTRACT NUMBER 1
DRAWING NUMBER M302

ISSUED FOR CONSTRUCTION

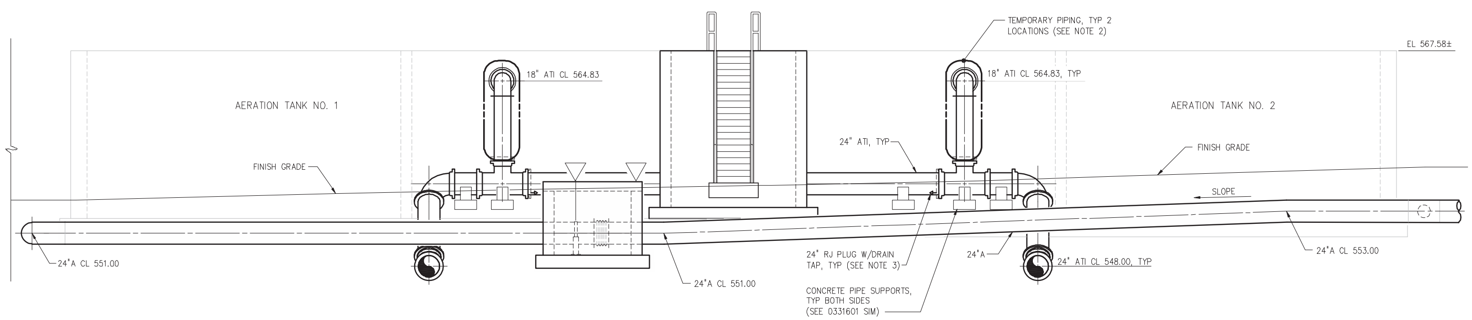
PLOT DATE: 4/20/2016 1:23 PM BY: LPETTER



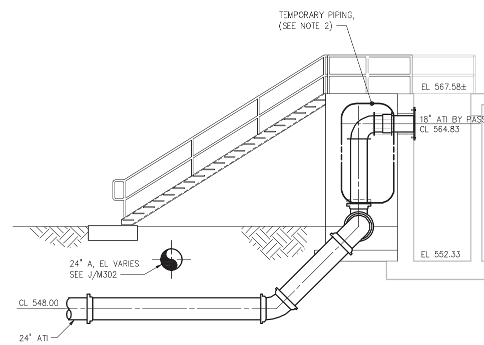
SECTION A
3/16" = 1'-0" M300



SECTION B
3/16" = 1'-0" M300



SECTION J
3/16" = 1'-0" M300



SECTION E
3/16" = 1'-0" M300

NOTES:

1. PIPING SUPPORTS AND EQUIPMENT DOWNSTREAM OF THE BUTTERFLY VALVE SHALL BE SUPPLIED BY THE DIFFUSER MANUFACTURER UNDER SECTION 11439, TYP.
2. TEMPORARY PIPING TO BE PLACED IN SERVICE TO DEMOLISH EXISTING INFLUENT STRUCTURE AND BUILD NEW INFLUENT STRUCTURE. INSTALL 18" BLIND FLANGE AND RJ PLUG AT TERMINATIONS WHEN TEMPORARY PIPING IS REMOVED.
3. PROVIDE TEMPORARY PLUG W/DRAIN TAP SIMILAR TO STD. DETAIL 1511501. REFER TO SECTION 01520 FOR CONSTRUCTION CONSTRAINTS.

NO.	ISSUED FOR	DATE	BY
3	CONSTRUCTION	4/16	H&S
2	BUILDING CODE ENFORCEMENT	4/16	H&S
1	REGULATORY APPROVAL	1/16	H&S

DESIGNED MDP
DRAWN HLF
CHECKED MDP
PROJ.ENGR. JNS
APPROVED

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 26432 MICHAEL D. PARKER 4/20/2016

Hazen

HAZEN AND SAWYER
4944 PARKWAY PLAZA BLVD, SUITE 375
CHARLOTTE, NORTH CAROLINA 28217
LICENSE NO. : C-0381

UNION COUNTY
NORTH CAROLINA

TWELVE MILE CREEK WWTP
7.5 mgd EXPANSION

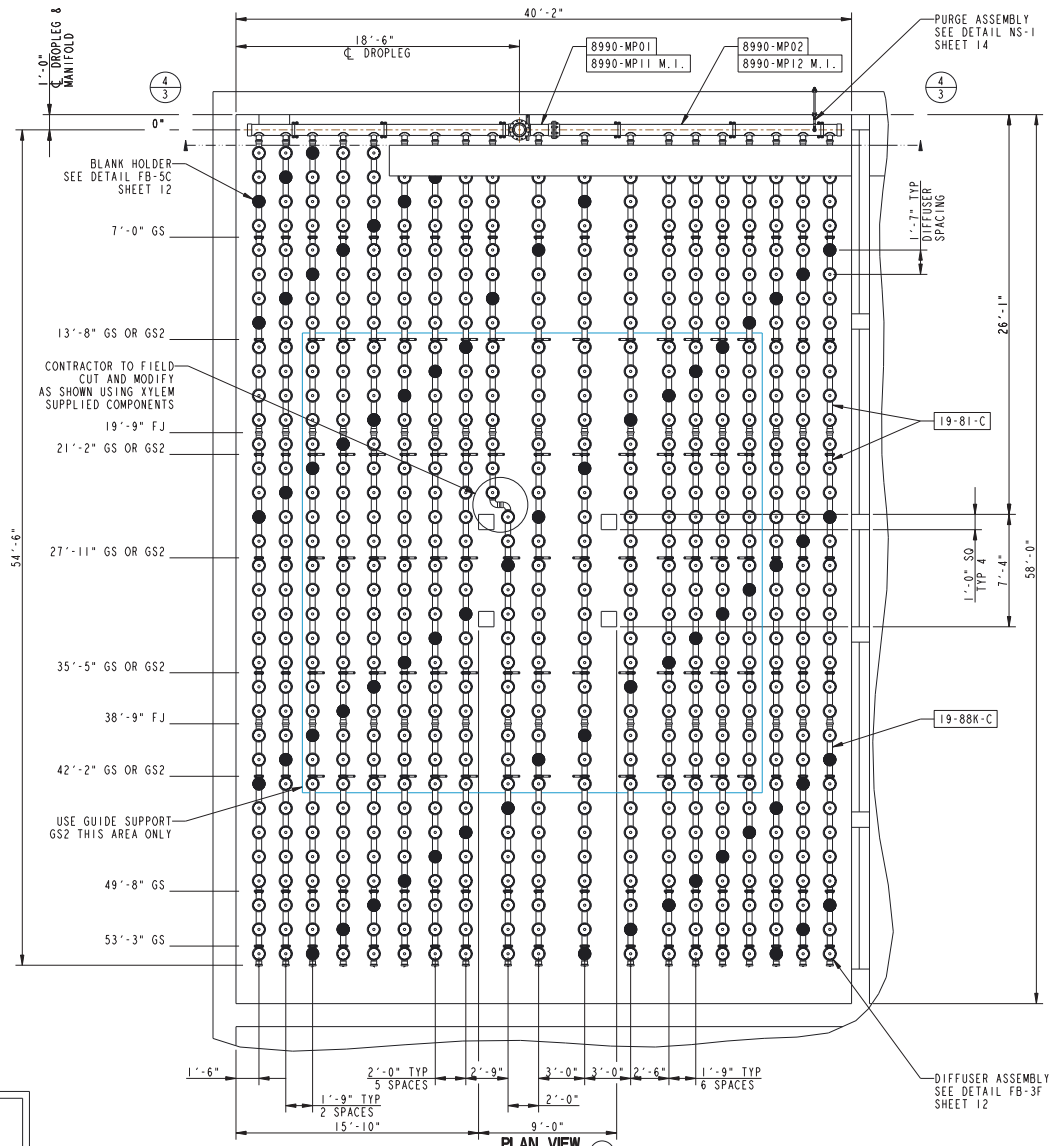
AERATION TANKS NO.1 AND NO.2
MECHANICAL
SECTIONS

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

DATE APRIL 2016
H & S JOB NUMBER 30831-045
CONTRACT NUMBER 1
DRAWING NUMBER M302

ISSUED FOR CONSTRUCTION

PLOT DATE: 4/20/2016 1:23 PM BY: LPETTER



PLAN VIEW (2)

GRID TYPE A
2 REQ'D AS SHOWN (TANK 1 AND 5)
2 REQ'D MIRROR IMAGE (TANK 2 AND 6)

NOTE: SUPPORT SPACING

Every attempt has been made to insure locational dimensions of the supports are correct. However, after one line of air distributor anchors for any grid type have been installed, the locationsmust be checked for proper clearances by installing the supplied air headers. Spacing between lines must be checked for fit with the cross manifold and drain line. Any discrepancies or interferences must be brought to the attention of XYLEM prior to further installation.

The actual support anchor locations must be indexed from the centerline of the manifold. The actual accumulative dimensional error from the manifold to the anchor bolt must not exceed ± 3/4".

GRID TYPE A
4-TANK(S)
1-GRID(S) PER TANK
19-AIR DISTRIBUTORS PER GRID
34-DIFFUSER HOLDERS PER DISTRIBUTOR
VARIES-DIFFUSER ELEMENTS PER DISTRIBUTOR
646-DIFFUSER HOLDERS PER GRID
575-DIFFUSER ELEMENTS INSTALLED PER GRID
2300-TOTAL DIFFUSER ELEMENTS INSTALLED
FOR THIS GRID TYPE
71-BLANKS PER GRID

LEGEND

FJ - FIXED JOINT
SEE DETAIL FB-10A
SHEET-12

GS - GUIDE SUPPORT
SEE DETAIL SUP-2
SHEET-13

GS2 - GUIDE SUPPORT
SEE DETAIL SUP-2A
SHEET-13

- FOR TYPICAL AIR DISTRIBUTOR SECTION
SEE DETAIL FB-22K
SHEET-12

FOR GS & GS2		
TANK	SUPPORT	STRUT
1 & 2	2354-3SP	1878-48
5 & 6	2354-2SP	1878-46

NOTE:
PLEASE VERIFY ALL DIMENSIONS AND ELEVATIONS, INCLUDING: INSIDE TANK DIMENSIONS, DROPLEG LOCATIONS, ELEVATIONS OF DROPLEGS CONNECTIONS, FACE OF FLANGES, DIFFUSER ELEVATIONS, FLAT FLOOR AND HIGHPOINT/LOWPOINT ELEVATIONS OF SLOPED FLOOR.

WARNING
xylem DOES NOT ACCEPT RESPONSIBILITY FOR UNDOCUMENTED CUSTOMER INITIATED CHANGES TO ELECTRONICALLY TRANSMITTED DRAWINGS

REV	DATE	REVISION	BY

UNION COUNTY
NORTH CAROLINA
TWELVE MILE CREEK
WASTEWATER TREATMENT PLANT

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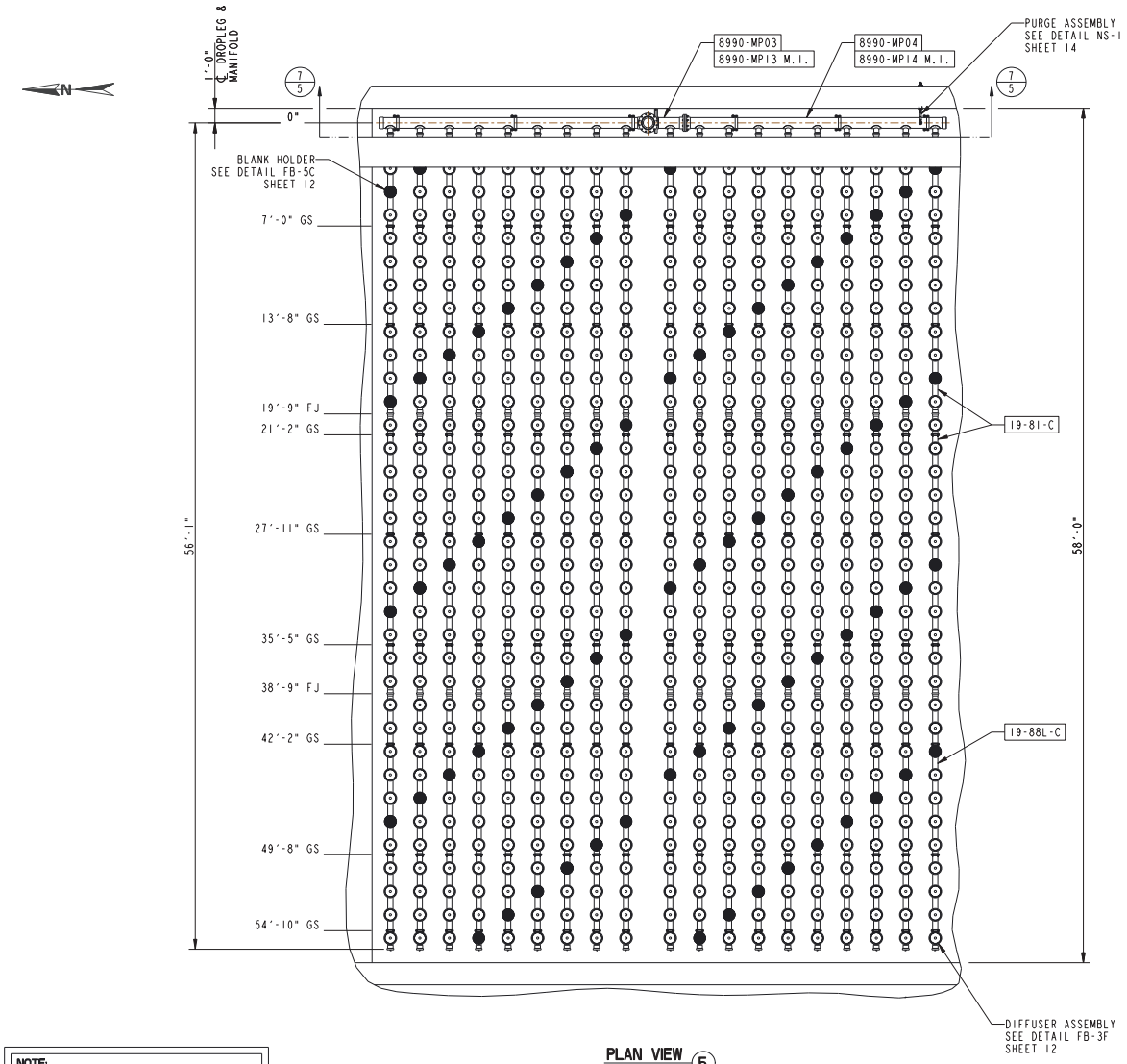
PLAN VIEW
GRID TYPE A

SANITAIRE
a xylem brand
BROWN DEER, WISCONSIN 53223

DRWN BY TJC DATE 01/06/17	DSGN	JOB NO.	16-8990S
CHKD BY JS DATE 02/01/17	DTL	DRWG NO.	E-2
APPVD BY JS DATE 02/01/17	SIZE D REV. B		SHEET 2 OF 14



PLAN VIEW (5)

GRID TYPE B
2 REQ'D AS SHOWN (TANK 1 AND 5)
2 REQ'D MIRROR IMAGE (TANK 2 AND 6)

NOTE:
PLEASE VERIFY ALL DIMENSIONS AND ELEVATIONS, INCLUDING: INSIDE TANK DIMENSIONS, DROPLEG LOCATIONS, ELEVATIONS OF DROPLEGS CONNECTIONS, FACE OF FLANGES, DIFFUSER ELEVATIONS, FLAT FLOOR AND HIGHPOINT/LOWPOINT ELEVATIONS OF SLOPED FLOOR.

NOTE: SUPPORT SPACING

Every attempt has been made to insure locational dimensions of the supports are correct. However, after one line of air distributor anchors for any grid type have been installed, the locationsmust be checked for proper clearances by installing the supplied air headers. Spacing between lines must be checked for fit with the cross manifold and drain line. Any discrepancies or interferences must be brought to the attention of XYLEM prior to further installation.

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GRID TYPE B
4-TANK(S)
1-GRID(S) PER TANK
19-AIR DISTRIBUTORS PER GRID
35-DIFFUSER HOLDERS PER DISTRIBUTOR
VARIES-DIFFUSER ELEMENTS PER DISTRIBUTOR
665-DIFFUSER HOLDERS PER GRID
588-DIFFUSER ELEMENTS INSTALLED PER GRID
2352-TOTAL DIFFUSER ELEMENTS INSTALLED
FOR THIS GRID TYPE
77-BLANKS PER GRID

LEGEND

FJ - FIXED JOINT
SEE DETAIL FB-10A
SHEET-12

GS - GUIDE SUPPORT
SEE DETAIL SUP-1
SHEET-13

FOR GS	
TANK	SUPPORT
1 & 2	2346-3SP
5 & 6	2346-2SP

- FOR TYPICAL AIR DISTRIBUTOR SECTION
SEE DETAIL FB-22K
SHEET-12

REV	DATE	REVISION	BY

UNION COUNTY
NORTH CAROLINA
TWELVE MILE CREEK
WASTEWATER TREATMENT PLANT

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PLAN VIEW
GRID TYPE B

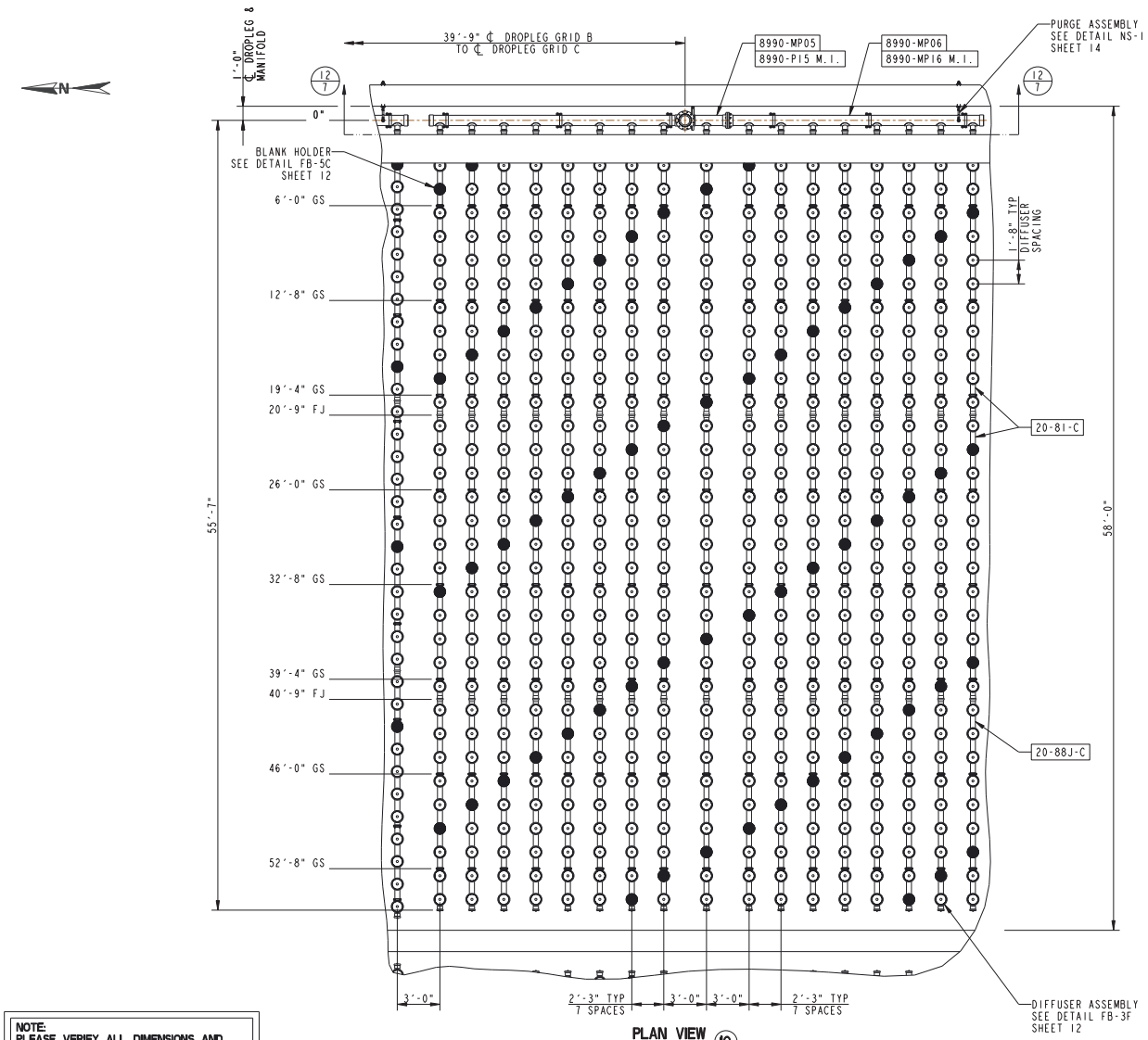
FOR APPROVAL ONLY.
NOT FOR CONSTRUCTION.
xylem
03/21/17

WARNING
xylem DOES NOT ACCEPT RESPONSIBILITY FOR UNDOCUMENTED CUSTOMER INITIATED CHANGES TO ELECTRONICALLY TRANSMITTED DRAWINGS

SANITAIRE
a xylem brand
BROWN DEER, WISCONSIN 53223

DRWN BY	TJC DATE 01/06/17	SHOP	
CHKD BY	JS DATE 02/01/17	SITE	
APPVD BY	JS DATE 02/01/17	SIZE D REV. B	

JOB NO. 16-8990S
DRAWING NO. E-4
SHEET 4 OF 14



PLAN VIEW (10)

GRID TYPE C
2 REQ'D AS SHOWN (TANK 1 AND 5)
2 REQ'D MIRROR IMAGE (TANK 2 AND 6)

NOTE:
PLEASE VERIFY ALL DIMENSIONS AND ELEVATIONS, INCLUDING: INSIDE TANK DIMENSIONS, DROPLEG LOCATIONS, ELEVATIONS OF DROPLEGS CONNECTIONS, FACE OF FLANGES, DIFFUSER ELEVATIONS, FLAT FLOOR AND HIGHPOINT/LOWPOINT ELEVATIONS OF SLOPED FLOOR.

NOTE: SUPPORT SPACING

Every attempt has been made to insure locational dimensions of the supports are correct. However, after one line of air distributor anchors for any grid type have been installed, the locationsmust be checked for proper clearances by installing the supplied air headers. Spacing between lines must be checked for fit with the cross manifold and drain line. Any discrepancies or interferences must be brought to the attention of XYLEM prior to further installation.

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GRID TYPE C
4-TANK(S)
1-GRID(S) PER TANK
17-AIR DISTRIBUTORS PER GRID
33-DIFFUSER HOLDERS PER DISTRIBUTOR
VARIES-DIFFUSER ELEMENTS PER DISTRIBUTOR
561-DIFFUSER HOLDERS PER GRID
499-DIFFUSER ELEMENTS INSTALLED PER GRID
1996-TOTAL DIFFUSER ELEMENTS INSTALLED FOR THIS GRID TYPE
62-BLANKS PER GRID

LEGEND

FJ - FIXED JOINT SEE DETAIL FB-10A SHEET-12

GS - GUIDE SUPPORT SEE DETAIL SUP-1 SHEET-13

FOR GS	
TANK	SUPPORT
1 & 2	2346-3SP
5 & 6	2346-2SP

- FOR TYPICAL AIR DISTRIBUTOR SECTION SEE DETAIL FB-22K SHEET-12

REV	DATE	REVISION	BY

UNION COUNTY
NORTH CAROLINA
TWELVE MILE CREEK
WASTEWATER TREATMENT PLANT

THIS DRAWING IS THE PROPERTY OF XYLEM AND IS SUBMITTED IN CONFIDENCE. IT IS NOT TO BE DISCLOSED, USED OR DUPLICATED WITHOUT PERMISSION OF XYLEM.

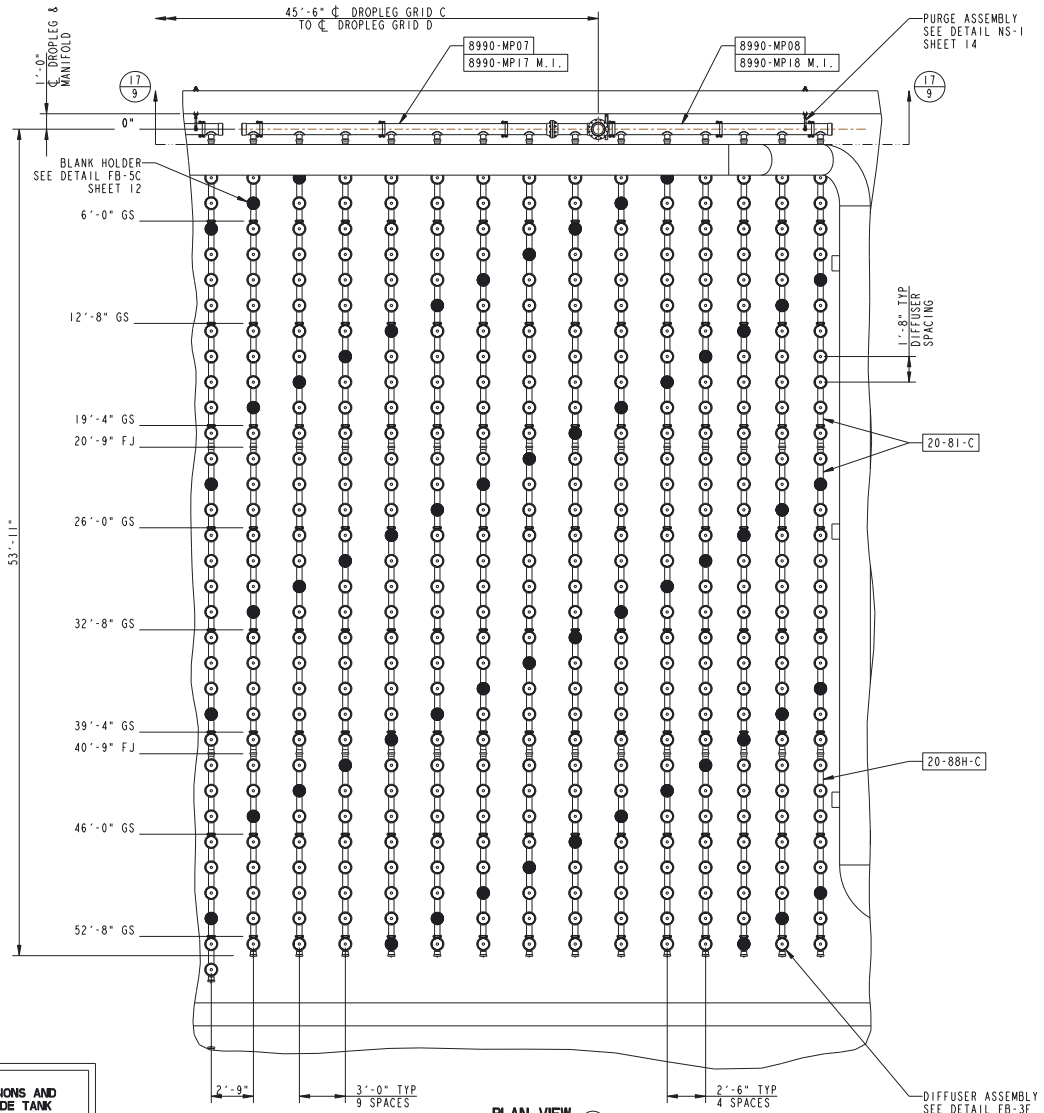
PLAN VIEW
GRID TYPE C

WARNING
xylem DOES NOT ACCEPT RESPONSIBILITY FOR UNDOCUMENTED CUSTOMER INITIATED CHANGES TO ELECTRONICALLY TRANSMITTED DRAWINGS

SANITAIRE
a xylem brand
BROWN DEER, WISCONSIN 53223

DRWN BY	TJC	DATE 01/06/17	DISCIP.
CHKD BY	JS	DATE 02/01/17	STTL
APPVD BY	JS	DATE 02/01/17	SIZE D REV. B

JOB NO. 16-8990S
DRWG NO. E-6
SHEET 6 OF 14



PLAN VIEW (15)

GRID TYPE D
2 REQ'D AS SHOWN (TANK 1 AND 5)
2 REQ'D MIRROR IMAGE (TANK 2 AND 6)

NOTE:
PLEASE VERIFY ALL DIMENSIONS AND ELEVATIONS, INCLUDING: INSIDE TANK DIMENSIONS, DROPLEG LOCATIONS, ELEVATIONS OF DROPLEGS CONNECTIONS, FACE OF FLANGES, DIFFUSER ELEVATIONS, FLAT FLOOR AND HIGHPOINT/LOWPOINT ELEVATIONS OF SLOPED FLOOR.

NOTE: SUPPORT SPACING

Every attempt has been made to insure locational dimensions of the supports are correct. However, after one line of air distributor anchors for any grid type have been installed, the locationsmust be checked for proper clearances by installing the supplied air headers. Spacing between lines must be checked for fit with the cross manifold and drain line. Any discrepancies or interferences must be brought to the attention of XYLEM prior to further installation.

The actual support anchor locations must be indexed from the centerline of the manifold. The actual accumulative dimensional error from the manifold to the anchor bolt must not exceed ± 3/4".

GRID TYPE D
4-TANK(S)
1-GRID(S) PER TANK
14-AIR DISTRIBUTORS PER GRID
32-DIFFUSER HOLDERS PER DISTRIBUTOR
VARIES-DIFFUSER ELEMENTS PER DISTRIBUTOR
448-DIFFUSER HOLDERS PER GRID
392-DIFFUSER ELEMENTS INSTALLED PER GRID
1568-TOTAL DIFFUSER ELEMENTS INSTALLED
FOR THIS GRID TYPE
56-BLANKS PER GRID

LEGEND

FJ - FIXED JOINT
SEE DETAIL FB-10A
SHEET-12

GS - GUIDE SUPPORT
SEE DETAIL SUP-1
SHEET-13

FOR GS	
TANK	SUPPORT
1 & 2	2346-3SP
5 & 6	2346-2SP

\- FOR TYPICAL AIR DISTRIBUTOR SECTION
SEE DETAIL FB-22K
SHEET-12

REV	DATE	REVISION	BY

UNION COUNTY
NORTH CAROLINA
TWELVE MILE CREEK
WASTEWATER TREATMENT PLANT

THIS DRAWING IS THE PROPERTY OF XYLEM AND IS SUBMITTED IN CONFIDENCE. IT IS NOT TO BE DISCLOSED, USED OR DUPLICATED WITHOUT PERMISSION OF XYLEM.

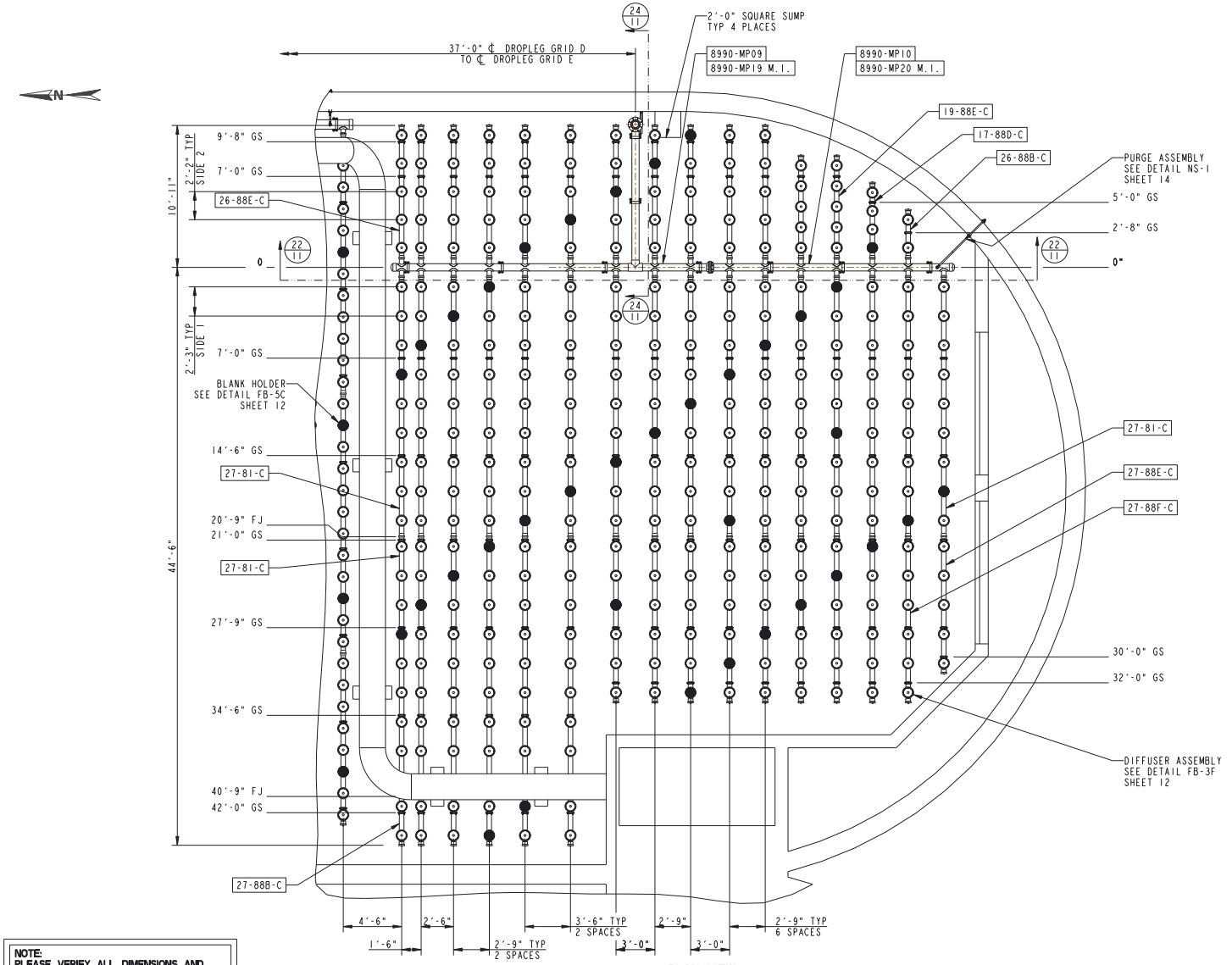
PLAN VIEW
GRID TYPE D

WARNING
xylem DOES NOT ACCEPT RESPONSIBILITY FOR UNDOCUMENTED CUSTOMER INITIATED CHANGES TO ELECTRONICALLY TRANSMITTED DRAWINGS

SANITAIRE
a xylem brand
BROWN DEER, WISCONSIN 53223

DRWN BY	TJC DATE 01/06/17	DSGN	
CHKD BY	JS DATE 02/01/17	MTRL	
APPVD BY	JS DATE 02/01/17	SIZE D REV. B	

JOB NO. 16-8990S
DRAWING NO. E-8
SHEET 8 OF 14



PLAN VIEW (20)

GRID TYPE E
2 REQ'D AS SHOWN (TANK 1 AND 5)
2 REQ'D MIRROR IMAGE (TANK 2 AND 6)

NOTE: SUPPORT SPACING

Every attempt has been made to insure locational dimensions of the supports are correct. However, after one line of air distributor anchors for any grid type have been installed, the locationsmust be checked for proper clearances by installing the supplied air headers. Spacing between lines must be checked for fit with the cross manifold and drain line. Any discrepancies or interferences must be brought to the attention of XYLEM prior to further installation.

The actual support anchor locations must be indexed from the centerline of the manifold. The actual accumulative dimensional error from the manifold to the anchor bolt must not exceed ± 3/4".

GRID TYPE E
4-TANK(S)
1-GRID(S) PER TANK
16-AIR DISTRIBUTORS PER GRID
VARIES-DIFFUSER HOLDERS PER DISTRIBUTOR
VARIES-DIFFUSER ELEMENTS PER DISTRIBUTOR
340-DIFFUSER HOLDERS PER GRID
303-DIFFUSER ELEMENTS INSTALLED PER GRID
1212-TOTAL DIFFUSER ELEMENTS INSTALLED
FOR THIS GRID TYPE
37-BLANKS PER GRID

LEGEND

FJ - FIXED JOINT
SEE DETAIL FB-10A
SHEET-12

GS - GUIDE SUPPORT
SEE DETAIL SUP-1
SHEET-13

FOR GS	
TANK	SUPPORT
1 & 2	2346-3SP
5 & 6	2346-2SP

- FOR TYPICAL AIR DISTRIBUTOR SECTION
SEE DETAIL FB-22K
SHEET-12

NOTE:
PLEASE VERIFY ALL DIMENSIONS AND ELEVATIONS, INCLUDING: INSIDE TANK DIMENSIONS, DROPLEG LOCATIONS, ELEVATIONS OF DROPLEGS CONNECTIONS, FACE OF FLANGES, DIFFUSER ELEVATIONS, FLAT FLOOR AND HIGHPOINT/LOWPOINT ELEVATIONS OF SLOPED FLOOR.

WARNING
xylem DOES NOT ACCEPT RESPONSIBILITY FOR UNDOCUMENTED CUSTOMER INITIATED CHANGES TO ELECTRONICALLY TRANSMITTED DRAWINGS

REV	DATE	REVISION	BY

UNION COUNTY
NORTH CAROLINA
TWELVE MILE CREEK
WASTEWATER TREATMENT PLANT

THIS DRAWING IS THE PROPERTY OF XYLEM AND IS SUBMITTED IN CONFIDENCE. IT IS NOT TO BE DISCLOSED, USED OR DUPLICATED WITHOUT PERMISSION OF XYLEM.

PLAN VIEW
GRID TYPE E

SANITAIRE
a xylem brand
BROWN DEER, WISCONSIN 53223

DRWN BY	TJC	DATE 01/06/17	DESIGN	JOB NO.	16-8990S
CHKD BY	JS	DATE 02/01/17	DETL		
APPVD BY	JS	DATE 02/01/17	SIZE D REV. B	DRWG NO.	E-10

SHEET 10 OF 14

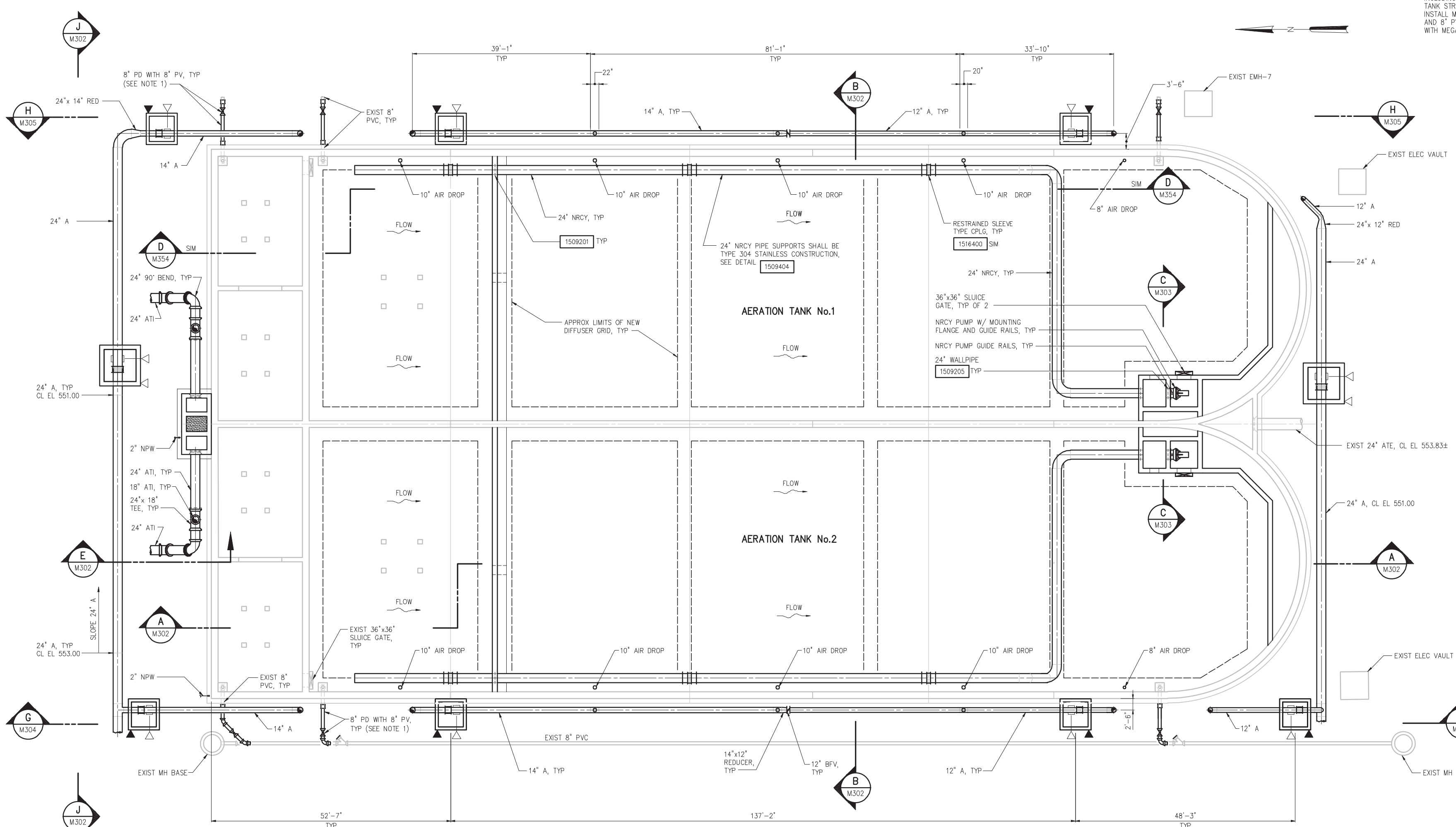
LEGEND

▲ DENOTES FIXED PIPE SUPPORT

△ DENOTES SLIDING PIPE SUPPORT

NOTES:

1. AERATION TANK NO. 1: TYPICAL THREE (3) LOCATIONS: REMOVE MIN 8'-0" LENGTH OF EXIST 8" DRAIN PIPING INCLUDING EXIST PLUG VALVE. INSTALL NEW 8" PD AND 8" PV AND CONNECT TO EXISTING PIPING WITH MEGALUG COUPLINGS.
2. AERATION TANK NO. 2: TYPICAL THREE (3) LOCATIONS: REMOVE EXIST 8" DRAIN PIPING INCLUDING EXIST PLUG VALVE FROM EDGE OF TANK STRUCTURE TO WYE ON DRAIN HEADER. INSTALL MJ PLUG ON WYE. INSTALL NEW 8" PD AND 8" PV AND CONNECT TO EXISTING PIPING WITH MEGALUG COUPLINGS PER DETAIL 1/M303.



BOTTOM PLAN

3/32" = 1'-0"

NO.	ISSUED FOR	DATE	BY
3	CONSTRUCTION	4/16	H & S
2	BUILDING CODE ENFORCEMENT	4/16	H & S
1	REGULATORY APPROVAL	1/16	H & S

DESIGNED MDP
DRAWN HLF
CHECKED MDP
PROJ.ENGR. JNS
APPROVED

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 26432 MICHAEL D. PARKER 4/20/2016

Hazen

HAZEN AND SAWYER
4944 PARKWAY PLAZA BLVD, SUITE 375
CHARLOTTE, NORTH CAROLINA 28217
LICENSE NO. : C-0381

UNION COUNTY
NORTH CAROLINA

TWELVE MILE CREEK WWTP
7.5 mgd EXPANSION

AERATION TANKS NO.1 AND NO.2
MECHANICAL
BOTTOM PLAN

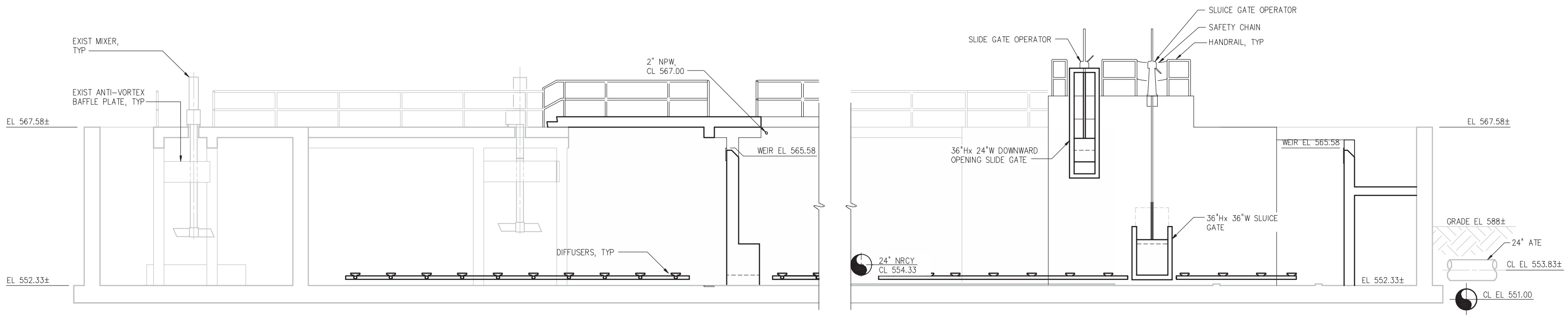
THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

DATE	APRIL 2016
H & S JOB NUMBER	30831-045
CONTRACT NUMBER	1
DRAWING NUMBER	M300

ISSUED FOR CONSTRUCTION

PLOT DATE: 4/20/2016 1:23 PM BY: LPETTER

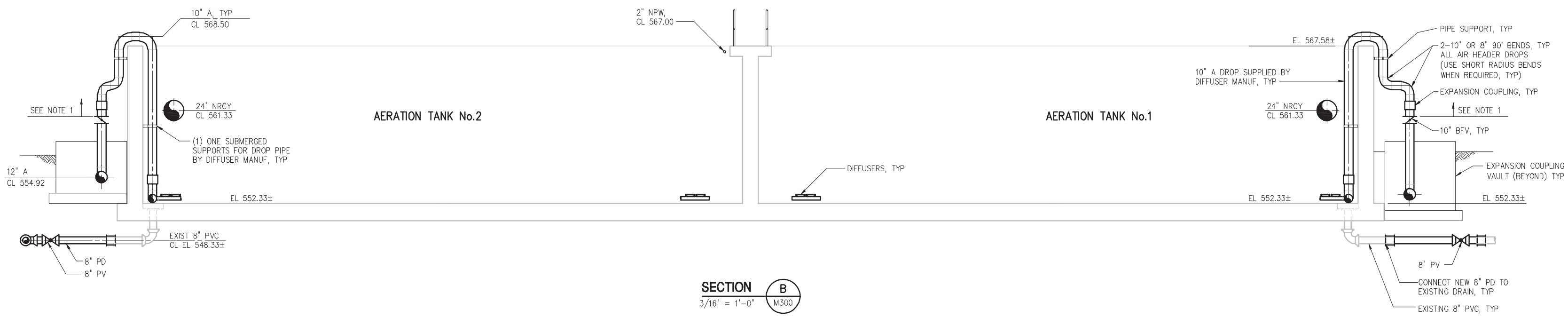
20160420 1:23P O:\30831\30831-045\Drawings\MECH\M300.dwg By LPETTER Last Saved By: mkarmanocky XREFs= ..\Title Blocks\30831-045-HSTB,..\300 - AB 1&2\AB12-PB,..\300 - AB 1&2\AB12-SECTION CUTS



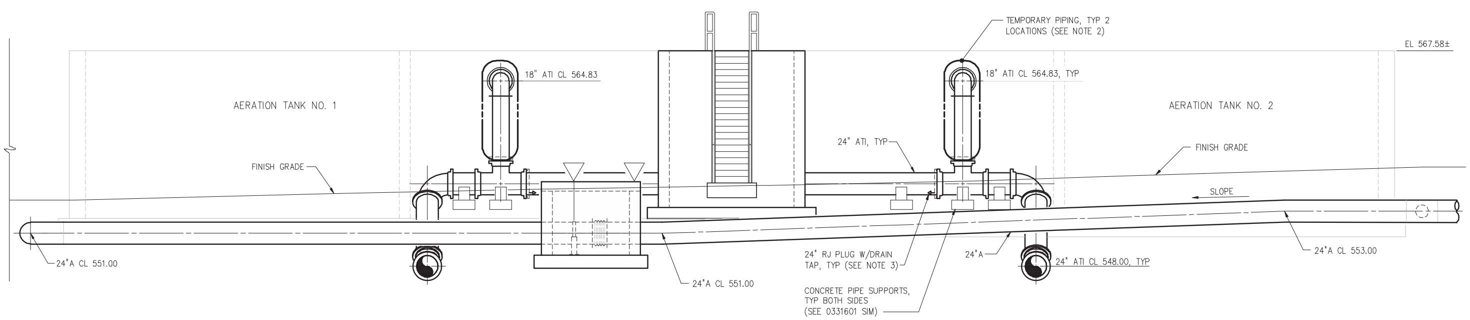
SECTION A
3/16" = 1'-0" M300

NOTES:

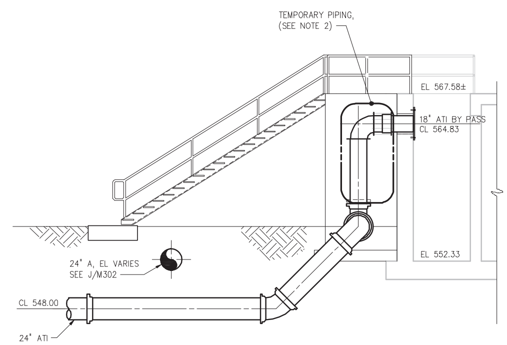
1. PIPING SUPPORTS AND EQUIPMENT DOWNSTREAM OF THE BUTTERFLY VALVE SHALL BE SUPPLIED BY THE DIFFUSER MANUFACTURER UNDER SECTION 11439, TYP.
2. TEMPORARY PIPING TO BE PLACED IN SERVICE TO DEMOLISH EXISTING INFLUENT STRUCTURE AND BUILD NEW INFLUENT STRUCTURE. INSTALL 18" BLIND FLANGE AND RJ PLUG AT TERMINATIONS WHEN TEMPORARY PIPING IS REMOVED.
3. PROVIDE TEMPORARY PLUG W/DRAIN TAP SIMILAR TO STD. DETAIL 1511501. REFER TO SECTION 01520 FOR CONSTRUCTION CONSTRAINTS.



SECTION B
3/16" = 1'-0" M300



SECTION J
3/16" = 1'-0" M300



SECTION E
3/16" = 1'-0" M300

NO.	ISSUED FOR	DATE	BY
3	CONSTRUCTION	4/16	H&S
2	BUILDING CODE ENFORCEMENT	4/16	H&S
1	REGULATORY APPROVAL	1/16	H&S

DESIGNED MDP
DRAWN HLF
CHECKED MDP
PROJ.ENGR. JNS
APPROVED

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 26432 MICHAEL D. PARKER 4/20/2016

Hazen

HAZEN AND SAWYER
4944 PARKWAY PLAZA BLVD, SUITE 375
CHARLOTTE, NORTH CAROLINA 28217
LICENSE NO. : C-0381

UNION COUNTY
NORTH CAROLINA

TWELVE MILE CREEK WWTP
7.5 mgd EXPANSION

AERATION TANKS NO.1 AND NO.2
MECHANICAL
SECTIONS

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

DATE APRIL 2016
H & S JOB NUMBER 30831-045
CONTRACT NUMBER 1
DRAWING NUMBER M302

ISSUED FOR CONSTRUCTION

PLOT DATE: 4/20/2016 1:23 PM BY: LFETTER

12 APPENDIX E – SAMPLE VENDOR PAYMENT NOTIFICATION

RFP 2026-044 Aeration Tank Cleaning

Informational Purposes Only - Do not submit with proposal.

Finance Department
500 North Main Street Suite #714
Monroe, NC 28112 T. 704-283-3813
www.unioncountync.gov

ATTENTION: ACCOUNTS PAYABLE VENDORS

As part of our Fraud Prevention Program, Union County now prefers two methods for payments to vendor accounts. These methods allow for faster and easier payments to vendors.

The first and preferred method available is to accept a VISA card payment from the County. If you accept payment via VISA, payment is made at the time of the transaction or upon receipt and approval of the invoice.

The second method is an Electronic Funds Transfer. (EFT) This means that you will receive payment of invoices due directly into your bank account. With this method, you will get an email confirmation giving you the date, invoice numbers, and total amount paid. Your payment will be available to you on Monday (or the first banking day if Monday is a bank holiday) following receipt of an approved invoice from the County department invoiced.

An EFT Enrollment Form to enroll in the program is attached for your convenience. You can also visit the Union County website at www.unioncountync.gov at any time to get a new form if your banking information changes. If the banking information changes and you do not notify us, it will delay receipt of payment for invoices.

If you wish to receive payment via the County's VISA card, please contact Heather Howey at 704-283-3539, or send an email to ap@unioncountync.gov and you will be added to the list of vendors accepting the VISA card method of payment.

Union County prefers all vendors participate in one of the two methods described above.

Thank you in advance for your participation.

13 APPENDIX F – TEMPLATE CONTRACT

RFP 2026-044 Aeration Tank Cleaning

Informational Purposes Only - Do not submit with proposal.

STATE OF NORTH CAROLINA

AGREEMENT

COUNTY OF UNION

THIS AGREEMENT is made and entered into as of _____, by and between UNION COUNTY, a political subdivision of the State of North Carolina, whose address is 500 North Main Street, Monroe, NC 28112, hereinafter "Union," and [Contractor's full legal name], a [type of business (corporation, limited liability company, etc.) and state where incorporated], whose address is _____, hereinafter "Contractor."

W I T N E S S E T H

WHEREAS, Union desires that Contractor perform certain [briefly describe services here] services; and

WHEREAS, Contractor is willing to perform such services as described in this Agreement.

NOW, THEREFORE, in consideration of the mutual covenants and agreements hereinafter set forth, the parties hereto do each contract and agree with the other as follows:

1. SERVICES PERFORMED. Contractor agrees to perform the services as set forth in the attached Scope of Work [*or, if the full RFP is to be attached as the scope of work, state the RFP number and full RFP title*], which is incorporated herein by reference (hereinafter the "Services"), in accordance with the terms of this Agreement.

2. FEE AND PAYMENT SCHEDULE. Union shall pay Contractor [insert payment amount or rate] for performance of the Services. Contractor shall invoice Union on a monthly basis for Services performed, or upon such other schedule as may be agreed upon by the parties. Payment is due within thirty (30) days of receipt of an accurate invoice by Union's Finance Division. All payments shall be conditioned upon appropriation by the Union County Board of Commissioners of sufficient funds for each request for services.

3. TERM AND TERMINATION. The Effective Date is the date of mutual execution of this Agreement. This Agreement shall have a term of [insert agreement time length] (the "Initial Term"). [*The following sentence to be used only if renewals might be needed or desired, and then only if the RFP lists the possible number of renewals. If the contract is just for a single term, this sentence may be deleted.*] Upon completion of the Initial Term, Union may, in its sole discretion, elect to renew this Agreement for up to ____[number of possible additional terms, as stated in the RFP] additional ___[number of years in each renewal term]-year terms, each a "Renewal Term," upon written notice to the Contractor. Union may terminate this Agreement at any time, without cause, upon provision of ten (10) days' written notice to Contractor. In the event of termination without cause, Contractor shall be paid for services performed to the date of notification of termination by Union.

4. OWNERSHIP OF DOCUMENTS. All deliverables and any other contract documents prepared by Contractor, or any subcontractors or subconsultants under the terms of this Agreement ("the Documents"), shall be the property of Union. Contractor further acknowledges that Union is subject to Chapter 132 of the North Carolina General Statutes, the Public Records Act (the

"Act"), and that this Agreement, as well as any of the Documents as defined herein, shall be a public record as defined in such Act, and as such, will be open to public disclosure and copying.

5. INSURANCE. The attached Exhibit A, Insurance Requirements, is incorporated herein by reference.

6. INDEMNIFICATION. Contractor agrees to protect, defend, indemnify and hold Union, its officers, employees and agents free and harmless from and against any and all losses, penalties, damages, settlements, costs, charges, professional fees or other expenses or liabilities of every kind and character arising out of or relating to any and all claims, liens, demands, obligations, actions, proceedings, or causes of action of every kind in connection with or arising out of this Agreement and/or the performance hereof that are due, in whole or in part, to the negligence of Contractor, its officers, employees, subcontractors or agents. Contractor further agrees to investigate, handle, respond to, provide defense for, and defend the same at its sole expense and agrees to bear all other costs and expenses related thereto.

7. DECLARATION BY CONTRACTOR. Contractor declares that Contractor has complied with all federal, state and local laws regarding business permits, certificates, and licenses that may be required to carry out the work to be performed under this Agreement.

8. FEDERAL, STATE, AND LOCAL TAXES. Neither federal, nor state, nor local income tax nor payroll tax of any kind shall be withheld or paid by Union on behalf of Contractor or the employees of Contractor. Contractor shall not be treated as an employee with respect to the services performed hereunder for federal or state tax purposes.

9. NOTICE TO CONTRACTOR REGARDING ITS TAX DUTIES AND LIABILITIES. Contractor understands that Contractor is responsible to pay, according to law, Contractor's income tax. If Contractor is not a corporation, Contractor further understands that Contractor may be liable for self-employment (social security) tax, to be paid by Contractor according to law.

10. FRINGE BENEFITS. Because Contractor is engaged in Contractor's own independently established business, Contractor is not eligible for, and shall not participate in, any employee pension, health or other fringe benefit plan of Union.

11. UNION NOT RESPONSIBLE FOR WORKERS' COMPENSATION. No workers' compensation insurance shall be obtained by Union concerning Contractor or the employees of Contractor. Contractor shall comply with the workers' compensation law concerning Contractor and the employees of Contractor.

12. NO AUTHORITY TO BIND UNION. Contractor has no authority to enter into contracts or agreements on behalf of Union. This Agreement does not create a partnership or any form of agency between the parties.

13. ASSIGNMENT. Neither Union nor Contractor shall assign, sublet or transfer any rights under or interest in this Agreement (including, but without limitation, monies that may become due or monies that are due) without the written consent of the other, except to the extent that any assignment, subletting or transfer is mandated by law or the effect of this limitation may be restricted by law. Unless specifically stated to the contrary in any written consent to assignment, no

assignment shall release or discharge the assignor from any duty or responsibility under this Agreement.

14. NON-WAIVER. The failure of either party to exercise any of its rights under this agreement for a breach thereof shall not be deemed to be a waiver of such rights or a waiver of any subsequent breach.

15. HOW NOTICES SHALL BE GIVEN. Any notice given in connection with this agreement shall be given in writing and shall be delivered either by hand to the party or by certified mail, return receipt requested, to the party at the party's address stated herein. Any party may change its address stated herein by giving notice of the change in accordance with this paragraph.

16. APPLICABLE LAW AND JURISDICTION. This Agreement shall be construed and enforced in accordance with the laws of the State of North Carolina. The parties to this Agreement confer exclusive jurisdiction of all disputes arising hereunder upon the General Courts of Justice of Union County, North Carolina.

17. COMPLETE AGREEMENT. This Agreement contains the complete agreement of the parties regarding the terms and conditions of the Agreement, and there are no oral or written conditions, terms, warranties, understandings or other agreements pertaining thereto which have not been incorporated herein. This Agreement may be modified only by written instrument duly executed by both parties, or their respective successors in interest.

18. SEVERABILITY. The provisions hereof are severable, and should any provision be determined to be invalid, unlawful or otherwise null and void by any court of competent jurisdiction, the other provisions shall remain in full force and effect and shall not thereby be affected unless such ruling shall make further performance hereunder impossible or impose an unconscionable burden upon one of the parties.

19. AUTHORITY. Each party warrants that it has the corporate or other organizational power and authority to execute, deliver and perform this Agreement. Each party further warrants that the execution, delivery and performance by it of the Agreement has been duly authorized and approved by all requisite action of the party's management and appropriate governing body.

20. E-VERIFY. E-Verify is the federal program operated by the United States Department of Homeland Security and other federal agencies, or any successor or equivalent program, used to verify the work authorization of newly hired employees pursuant to federal law. Contractor shall ensure that Contractor and any subcontractor performing work under this Agreement: (i) uses E-Verify if required to do so by North Carolina law; and (ii) otherwise complies with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes. A breach of this provision by Contractor will be considered a breach of this Agreement, which entitles Union to terminate this Agreement, without penalty, upon notice to Contractor.

[*Signatures follow on the next page.*]

IN WITNESS WHEREOF, the parties hereto, acting under authority of their respective governing bodies, have hereunto set their hands and seals, and have caused this Agreement to be duly executed, this the day and year first above written.

UNION COUNTY

By: _____ (SEAL)
Brian W. Matthews, County Manager

[CONTRACTOR'S FULL LEGAL NAME]

By: _____ (SEAL)

Approved as to Legal Form _____

This instrument has been preaudited in the manner required by The Local Government Budget and Fiscal Control Act.

_____
Deputy Finance Officer

Exhibit A
Insurance Requirements

I. <u>BASIC INSURANCE REQUIREMENTS.</u> At Contractor's sole expense, Contractor shall procure and maintain the following minimum insurances with insurers authorized to do business in North Carolina and rated A-VII or better by A.M. Best, or as otherwise authorized by the Union County Risk Manager.

A. WORKERS' COMPENSATION
Statutory (coverage for three or more employees) limits covering all employees, including Employer's Liability with limits of:

$500,000	Each Accident
$500,000	Disease - Each Employee
$500,000	Disease - Policy Limit

B. COMMERCIAL GENERAL LIABILITY
Covering all operations involved in this Agreement.

$2,000,000	General Aggregate
$2,000,000	Products/Completed Operations Aggregate
$1,000,000	Each Occurrence
$1,000,000	Personal and Advertising Injury Limit

C. COMMERCIAL AUTOMOBILE LIABILITY

$1,000,000	Combined Single Limit - Any Auto

D. PROFESSIONAL LIABILITY

$1,000,000	Claims Made

Contractor shall provide evidence of continuation or renewal of Professional Liability Insurance for a period of two (2) years following termination of the Agreement.

E. POLLUTION LIABILITY INSURANCE

$1,000,000	Claims Made

Contractor shall provide evidence of continuation or renewal of Pollution Liability Insurance for a period of two (2) years following termination of the Agreement.

F. NETWORK SECURITY & PRIVACY LIABILITY (CYBER)

$1,000,000 Claims Made
$3,000,000 Aggregate Limit

Contractor shall provide evidence of continuation or renewal of Network Security & Privacy Liability Insurance for a period of two (2) years following termination of the Agreement.

II. ADDITIONAL INSURANCE REQUIREMENTS.

A. The Contractor's General Liability policy shall be endorsed, specifically or generally, to include the following as Additional Insured:

UNION COUNTY, ITS OFFICERS, AGENTS AND EMPLOYEES ARE INCLUDED AS ADDITIONAL INSURED WITH RESPECT TO THE GENERAL LIABILITY INSURANCE POLICY.

B. Before commencement of any work or event, Contractor shall provide a Certificate of Insurance in satisfactory form as evidence of the insurances required above.

C. Contractor shall have no right of recovery or subrogation against Union County (including its officers, agents and employees).

D. It is the intention of the parties that the insurance policies afforded by Contractor shall protect both parties and be primary and non-contributory coverage for any and all losses covered by the above-described insurance.

E. Union County shall have no liability with respect to Contractor's personal property whether insured or not insured. Any deductible or self-insured retention is the sole responsibility of Contractor.

F. Notwithstanding the notification requirements of the Insurer, Contractor hereby agrees to notify County's Risk Manager at 500 North Main Street, Monroe, NC 28112, within two (2) days of the cancellation or substantive change of any insurance policy set out herein. Union, in its sole discretion, may deem failure to provide such notice as a breach of this Agreement.

G. The Certificate of Insurance should note in the Description of Operations the following:

Department: _____
Contract #: _____

H. Insurance procured by Contractor shall not reduce nor limit Contractor's contractual obligation to indemnify, save harmless and defend Union County for claims made or suits brought which result from or are in connection with the performance of this Agreement.

I. Certificate Holder shall be listed as follows:

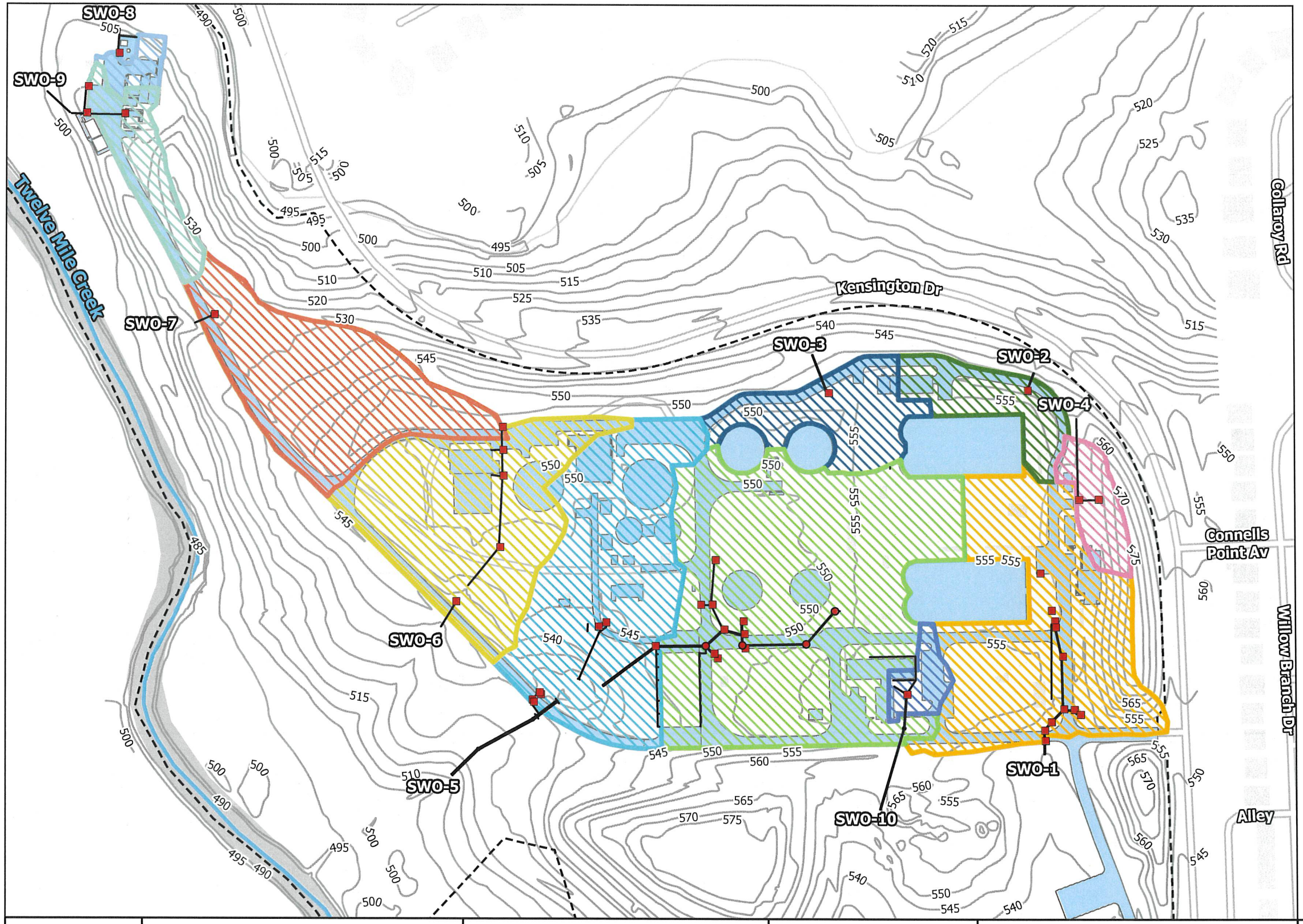
Union County
Attention: Risk Manager
500 North Main Street
Monroe, NC 28112

J. If Contractor is authorized to assign or subcontract any of its rights or duties hereunder and in fact does so, Contractor shall ensure that the assignee or subcontractor satisfies all requirements of this Agreement, including, but not limited to, maintenance of the required insurances coverage and provision of certificate(s) of insurance and additional insured endorsement(s), in proper form prior to commencement of services.

14 APPENDIX G – STORMWATER MAP

RFP 2026-044 Aeration Tank Cleaning

Informational Purposes Only - Do not submit with proposal.



Drainage Basin	Area (acres)	Impervious Area (acres)	Impervious Area (%)	SWO	SWO Lat.	SWO Long.
A	3.453793	0.77897498	22.5541883	1	34.954034486N	-80.762906671
B	0.301058	0.16728186	55.56466233	10	34.953988250N	-80.762549899
C	6.144754	1.61337303	26.25610456	5	34.952810552N	-80.762762588
D	3.557669	1.01072952	28.40988084	5	34.954212461N	-80.762762588
E	0.487565	0.04312675	8.845334215	4	34.950890249N	-80.765068830
F	3.029322	0.86727432	28.62932116	6	34.950830593N	-80.763721730
G	1.125074	0.23608664	20.9840992	3	34.949528011N	-80.765477961
H	0.815404	0.2903732	35.61096061	2	34.949124329N	-80.765360943
I	2.621644	0.32822983	12.52000022	7	34.948742672N	-80.765676013
J	0.737967	0.32402983	43.90844444	9	34.953158909N	-80.767162441
K	0.214971	0.12629476	58.74967457	8	34.954034486N	-80.767565745

Note: SWO-2 and SWO-4 being petitioned to be representative via SWO-2.

LEGEND

- Manholes
- Inlets
- Stormwater Pipe
- Major Topography
- Impervious Surface
- Property Boundary

Drainage Areas

- SWO-1
- SWO-2
- SWO-3
- SWO-4
- SWO-5
- SWO-5
- SWO-6
- SWO-7
- SWO-8
- SWO-9
- SWO-10

N

500 250 0 Feet

1" = 250 FT

Hazen

9101 SOUTHERN PINE BOULEVARD, SUITE 250
CHARLOTTE, NC 28273

UNIONCOUNTY WATER

UNION COUNTY
PUBLIC WORKS

TWELVE MILE CREEK
WATER RECLAMATION FACILITY

DRAINAGE AREA MAP

DATE: SEPTEMBER 2024

DRAWN BY : A. GRAY

CHECKED BY: C. MCNICOL

ATTACHMENT D

UNIONCOUNTY
north carolina

Request for Proposals 2026-044

Aeration Tank Cleaning

ADDENDUM No. 1

ISSUE DATE: February 2, 2025

Responding Offerors on this project are hereby notified that this Addendum shall be made a part of the above named RFP document.

The following items add to, modify, and/or clarify the RFP documents and shall have the full force and effect of the original Documents. This Addendum shall be acknowledged by the Offeror in the RFP document.

CLARIFICATION / CORRECTION – PRE-BID CONFERENCE DATE

The County has identified an inconsistency in the Proposal Documents regarding the Pre-Bid Conference date.

The following clarification is hereby issued:

Pre-Bid Conference: February 18, 2026 at 10:00 AM

RFP Due Date: March 17, 2026 at 11:00 AM

Any reference to a Pre-Bid Conference date of February 11, 2026 is incorrect and shall be disregarded.

This clarification supersedes all conflicting information contained in the RFP documents, including page 26 and any other location where the incorrect date may appear.

End of Addendum No. 1

UNIONCOUNTY
north carolina

Request for Proposals 2026-044

Aeration Tank Cleaning

ADDENDUM No. 2

ISSUE DATE: February 26, 2026

Responding Offerors on this project are hereby notified that this Addendum shall be made a part of the above named RFP document.

The following items add to, modify, and/or clarify the RFP documents and shall have the full force and effect of the original Documents. This Addendum shall be acknowledged by the Offeror in the RFP document.

Delete/Add/Replace Section

1. **Add: 12 Mile Rags and Screenings TCLP**

   Located at the end of addendum 2

2. **Add: 12 Mile Solids TCLP**

   Located at the end of addendum 2

Question/Answer Section

1. **Question:** What is the Waste Code Number? (5010 number followed by 6 to 8 digits)

   Answer: Wastewater sludge (biosolids) in North Carolina generally does not require a hazardous waste code number for landfill disposal provided it is nonhazardous material which this material should be.

2. **Question:** How many tons?

   Answer: The estimated quantity of sludge is based on visual observations of sludge elevation within the tank and an assumption regarding the percentage of solids at the time of removal. The final quantity will depend on whether the material is dewatered prior to leaving the facility.

   Based on observation, the sludge depth appears to be approximately 12 inches in the first quarter of the basin, tapering to approximately 2 inches toward the end. Using the tank dimensions previously provided, bidders may perform their own calculations to estimate quantities.

   Bidders are responsible for providing an estimated quantity on the Price Form. Actual quantities may vary depending on the bidder's proposed removal and dewatering methods. Any estimates provided by County staff are for informational purposes only and are not guaranteed.

3. **Question:** Will the material pass a paint filter test?

   Answer: The solids content of the material will depend on whether it is dewatered prior to removal from the facility. If the material is removed without dewatering, it is estimated that approximately 50% would pass a paint filter test.

The County does not intend to leave basin valves open for an extended period to allow passive dewatering. The project is expected to be completed as efficiently as possible in order to return the diffusers to service and protect their integrity.

The actual solids content is unknown and will depend on the bidder's proposed processing and dewatering methods. The successful bidder will be responsible for treating and/or processing the material as necessary to meet the requirements of the designated disposal facility.

4. **Question:** Can you provide a TCLP for the aeration basin sludge taken within the last year?

Answer: The County does not have a TCLP analysis specific to the solids currently located in Aeration Basin #5. However, a TCLP analysis for biosolids collected after completion of the aeration process is attached. These solids are expected to be representative of the material in Basin #5, as they originate from the same treatment process but were collected at a different point within the facility.

Additionally, a TCLP analysis for rags and grit collected at the plant influent (12 Mile facility) is attached.

Together, these TCLP analyses are intended to provide representative data for the materials anticipated to be present in Aeration Basin #5 and subject to removal under this project.

Attached:

12 Mile Rags and Screenings TCLP

12 Mile Solids TCLP

End of Addendum No. 2

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

December 18, 2025

Keith Purgason
Union County Public Works
8299 Kensington Drive
Waxhaw, NC 28173

RE: Project: TCLP Testing
Pace Project No.: 92831784

Dear Keith Purgason:

Enclosed are the analytical results for sample(s) received by the laboratory on December 01, 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.

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

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Ormond Beach

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

Sincerely,

Stephanie Knott

Stephanie Knott
stephanie.knott@pacelabs.com
704-977-0981
Project Manager

Enclosures

cc: Julian Coley
Jonathan Jordan
Kevin Merrill

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Pace Analytical Services, LLC
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CERTIFICATIONS

Project: TCLP Testing
Pace Project No.: 92831784

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
California Certification# 3096
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Utah
Utah FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services National
12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: TCLP Testing
Pace Project No.: 92831784

Pace Analytical Services National

Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE ANALYTE COUNT

Project: TCLP Testing
Pace Project No.: 92831784

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92831784001	**Grit Screenings**	EPA 8081B	MEW	9	PAN
		EPA 8151A	NWH	3	PAN
		EPA 8082A	SEM	8	PASI-C
		EPA 6010	ASB	7	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8270E	PKS	18	PASI-C
		EPA 8260D	SAS	14	PASI-C
		SM 2540G-2011	KDF	1	PASI-C
		SW-846	KDF	1	PASI-C
		1010B/ASTM D8175-18	DLS	1	PAN
		EPA 9012B	FNR	1	PAN
		EPA 9030B	LAS	1	PAN
		EPA 9045D	RJP	1	PAN
		EPA 9095B	SMS	1	PASI-A
92831784002	**Rags**	EPA 8081B	MEW	9	PAN
		EPA 8151A	NWH	3	PAN
		EPA 8082A	SEM	8	PASI-C
		EPA 6010	ASB	7	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8270E	PKS	18	PASI-C
		EPA 8260D	SAS	14	PASI-C
		SM 2540G-2011	KDF	1	PASI-C
		SW-846	KDF	1	PASI-C
		1010B/ASTM D8175-18	DLS	1	PAN
		EPA 9012B	FNR	1	PAN
		EPA 9030B	LAS	1	PAN
		EPA 9045D	RJP	1	PAN
		EPA 9095B	SMS	1	PASI-A

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-C = Pace Analytical Services - Charlotte
PASI-O = Pace Analytical Services - Ormond Beach

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: TCLP Testing
Pace Project No.: 92831784

Sample: Grit Screenings **Lab ID: 92831784001** Collected: 12/01/25 07:15 Received: 12/01/25 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Pesticides (GC) 8081B TCLP	Analytical Method: EPA 8081B Preparation Method: 3510C Leachate Method/Date: 1311; 12/04/25 14:31 Initial pH: 7.39; Final pH: 5.43 Pace National - Mt. Juliet							
Chlordane (Technical)	ND	mg/L	0.00500	1	12/09/25 08:43	12/09/25 18:48	57-74-9	
Endrin	ND	mg/L	0.00500	1	12/09/25 08:43	12/09/25 18:48	72-20-8	
gamma-BHC (Lindane)	ND	mg/L	0.00500	1	12/09/25 08:43	12/09/25 18:48	58-89-9	
Heptachlor	ND	mg/L	0.00500	1	12/09/25 08:43	12/09/25 18:48	76-44-8	
Heptachlor epoxide	ND	mg/L	0.00500	1	12/09/25 08:43	12/09/25 18:48	1024-57-3	
Methoxychlor	ND	mg/L	0.00500	1	12/09/25 08:43	12/09/25 18:48	72-43-5	
Toxaphene	ND	mg/L	0.0100	1	12/09/25 08:43	12/09/25 18:48	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	49.9	%	10.0-128	1	12/09/25 08:43	12/09/25 18:48	2051-24-3	
Tetrachloro-m-xylene (S)	86.7	%	10.0-127	1	12/09/25 08:43	12/09/25 18:48	877-09-8	
Chlorinated Herb. (GC) 8151A	Analytical Method: EPA 8151A Preparation Method: 8151A Leachate Method/Date: 1311; 12/04/25 14:31 Initial pH: 7.39; Final pH: 5.43 Pace National - Mt. Juliet							
2,4,5-TP (Silvex)	ND	mg/L	0.00200	1	12/07/25 05:26	12/08/25 18:58	93-72-1	
2,4-D	ND	mg/L	0.00200	1	12/07/25 05:26	12/08/25 18:58	94-75-7	
Surrogates								
2,4-DCAA (S)	84.2	%	14.0-158	1	12/07/25 05:26	12/08/25 18:58	19719-28-9	
8082 GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Charlotte							
PCB-1016 (Aroclor 1016)	ND	ug/kg	72.7	1	12/12/25 04:33	12/12/25 17:13	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	72.7	1	12/12/25 04:33	12/12/25 17:13	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	72.7	1	12/12/25 04:33	12/12/25 17:13	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	72.7	1	12/12/25 04:33	12/12/25 17:13	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	72.7	1	12/12/25 04:33	12/12/25 17:13	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	72.7	1	12/12/25 04:33	12/12/25 17:13	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	72.7	1	12/12/25 04:33	12/12/25 17:13	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	66	%	10-166	1	12/12/25 04:33	12/12/25 17:13	2051-24-3	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 12/04/25 16:30 Pace Analytical Services - Ormond Beach							
Arsenic	ND	mg/L	0.10	1	12/05/25 10:42	12/05/25 14:34	7440-38-2	
Barium	**0.16**	mg/L	0.10	1	12/05/25 10:42	12/05/25 14:34	7440-39-3	
Cadmium	ND	mg/L	0.010	1	12/05/25 10:42	12/05/25 14:34	7440-43-9	
Chromium	ND	mg/L	0.050	1	12/05/25 10:42	12/05/25 14:34	7440-47-3	
Lead	ND	mg/L	0.10	1	12/05/25 10:42	12/05/25 14:34	7439-92-1	L1
Selenium	ND	mg/L	0.15	1	12/05/25 10:42	12/05/25 14:34	7782-49-2	L1
Silver	ND	mg/L	0.050	1	12/05/25 10:42	12/05/25 14:34	7440-22-4	

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: TCLP Testing
Pace Project No.: 92831784

Sample: Grit Screenings **Lab ID: 92831784001** Collected: 12/01/25 07:15 Received: 12/01/25 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 12/04/25 16:30 Pace Analytical Services - Ormond Beach							
Mercury	ND	mg/L	0.0020	1	12/07/25 11:30	12/07/25 14:07	7439-97-6	
8270E TCLP RVE	Analytical Method: EPA 8270E Preparation Method: EPA 3510C Leachate Method/Date: EPA 1311; 12/03/25 16:17 Initial pH: 8.4; Final pH: Pace Analytical Services - Charlotte							
1,4-Dichlorobenzene	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:18	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:18	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:18	87-68-3	
Hexachlorobenzene	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:18	118-74-1	
Hexachloroethane	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:18	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:18	15831-10-4	
Nitrobenzene	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:18	98-95-3	
Pentachlorophenol	ND	ug/L	100	1	12/04/25 16:28	12/05/25 13:18	87-86-5	
Pyridine	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:18	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:18	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	39	%	10-133	1	12/04/25 16:28	12/05/25 13:18	4165-60-0	
2-Fluorobiphenyl (S)	24	%	10-130	1	12/04/25 16:28	12/05/25 13:18	321-60-8	
Terphenyl-d14 (S)	115	%	10-193	1	12/04/25 16:28	12/05/25 13:18	1718-51-0	
Phenol-d6 (S)	29	%	10-130	1	12/04/25 16:28	12/05/25 13:18	13127-88-3	
2-Fluorophenol (S)	34	%	10-130	1	12/04/25 16:28	12/05/25 13:18	367-12-4	
2,4,6-Tribromophenol (S)	70	%	10-166	1	12/04/25 16:28	12/05/25 13:18	118-79-6	
8260D MSV TCLP	Analytical Method: EPA 8260D Leachate Method/Date: EPA 1311; 12/04/25 10:22 Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	100	20		12/05/25 21:12	71-43-2	
2-Butanone (MEK)	ND	ug/L	200	20		12/05/25 21:12	78-93-3	
Carbon tetrachloride	ND	ug/L	100	20		12/05/25 21:12	56-23-5	
Chlorobenzene	ND	ug/L	100	20		12/05/25 21:12	108-90-7	
Chloroform	ND	ug/L	100	20		12/05/25 21:12	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	100	20		12/05/25 21:12	106-46-7	
1,2-Dichloroethane	ND	ug/L	100	20		12/05/25 21:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	100	20		12/05/25 21:12	75-35-4	
Tetrachloroethene	ND	ug/L	100	20		12/05/25 21:12	127-18-4	
Trichloroethene	ND	ug/L	100	20		12/05/25 21:12	79-01-6	
Vinyl chloride	ND	ug/L	100	20		12/05/25 21:12	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	70-130	20		12/05/25 21:12	17060-07-0	
Toluene-d8 (S)	100	%	70-130	20		12/05/25 21:12	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130	20		12/05/25 21:12	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TCLP Testing
Pace Project No.: 92831784

Sample: Grit Screenings **Lab ID: 92831784001** Collected: 12/01/25 07:15 Received: 12/01/25 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540G Total Percent Solids	Analytical Method: SM 2540G-2011 Pace Analytical Services - Charlotte							
Total Solids	**45.8**	%	0.10	1		12/01/25 17:24		
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte							
Percent Moisture	**54.2**	%	0.10	1		12/01/25 17:17		N2
Wet Chemistry 1010B/ASTM D8175	Analytical Method: 1010B/ASTM D8175-18 Pace National - Mt. Juliet							
Ignitability	**DNI at 170**	deg F		1	12/10/25 16:00	12/10/25 16:00		
Wet Chemistry 9012B	Analytical Method: EPA 9012B Preparation Method: 9012B Pace National - Mt. Juliet							
Cyanide, Reactive	ND	mg/kg	0.500	2	12/04/25 19:50	12/05/25 08:48		
Wet Chemistry 9034-9030B	Analytical Method: EPA 9030B Preparation Method: 9030B Pace National - Mt. Juliet							
Sulfide, Reactive	**96.1**	mg/kg	75.0	1	12/06/25 08:24	12/10/25 15:10		
Wet Chemistry 9045D	Analytical Method: EPA 9045D Preparation Method: 9045C/9045D Pace National - Mt. Juliet							
pH	**6.67**	Std. Units	0.10	1	12/05/25 10:37	12/05/25 15:20		H3
9095 Paint Filter Liquid Test	Analytical Method: EPA 9095B Pace Analytical Services - Asheville							
Free Liquids	**PASS**		1.0	1		12/10/25 15:37		

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ANALYTICAL RESULTS

Project: TCLP Testing
Pace Project No.: 92831784

Sample: Rags **Lab ID: 92831784002** Collected: 12/01/25 07:30 Received: 12/01/25 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Pesticides (GC) 8081B TCLP	Analytical Method: EPA 8081B Preparation Method: 3510C Leachate Method/Date: 1311; 12/04/25 14:31 Initial pH: 5.71; Final pH: 5.12 Pace National - Mt. Juliet							
Chlordane (Technical)	ND	mg/L	0.00500	1	12/09/25 08:43	12/09/25 18:59	57-74-9	
Endrin	ND	mg/L	0.00500	1	12/09/25 08:43	12/09/25 18:59	72-20-8	
gamma-BHC (Lindane)	ND	mg/L	0.00500	1	12/09/25 08:43	12/09/25 18:59	58-89-9	
Heptachlor	ND	mg/L	0.00500	1	12/09/25 08:43	12/09/25 18:59	76-44-8	
Heptachlor epoxide	ND	mg/L	0.00500	1	12/09/25 08:43	12/09/25 18:59	1024-57-3	
Methoxychlor	ND	mg/L	0.00500	1	12/09/25 08:43	12/09/25 18:59	72-43-5	
Toxaphene	ND	mg/L	0.0100	1	12/09/25 08:43	12/09/25 18:59	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	72.1	%	10.0-128	1	12/09/25 08:43	12/09/25 18:59	2051-24-3	
Tetrachloro-m-xylene (S)	92.8	%	10.0-127	1	12/09/25 08:43	12/09/25 18:59	877-09-8	
Chlorinated Herb. (GC) 8151A	Analytical Method: EPA 8151A Preparation Method: 8151A Leachate Method/Date: 1311; 12/04/25 14:31 Initial pH: 5.71; Final pH: 5.12 Pace National - Mt. Juliet							
2,4,5-TP (Silvex)	ND	mg/L	0.00200	1	12/07/25 05:26	12/08/25 19:09	93-72-1	
2,4-D	ND	mg/L	0.00200	1	12/07/25 05:26	12/08/25 19:09	94-75-7	
Surrogates								
2,4-DCAA (S)	79.6	%	14.0-158	1	12/07/25 05:26	12/08/25 19:09	19719-28-9	
8082 GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Charlotte							
PCB-1016 (Aroclor 1016)	ND	ug/kg	187	2	12/12/25 04:33	12/12/25 17:25	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	187	2	12/12/25 04:33	12/12/25 17:25	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	187	2	12/12/25 04:33	12/12/25 17:25	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	187	2	12/12/25 04:33	12/12/25 17:25	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	187	2	12/12/25 04:33	12/12/25 17:25	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	187	2	12/12/25 04:33	12/12/25 17:25	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	187	2	12/12/25 04:33	12/12/25 17:25	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	25	%	10-166	2	12/12/25 04:33	12/12/25 17:25	2051-24-3	D3
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 12/04/25 16:30 Pace Analytical Services - Ormond Beach							
Arsenic	ND	mg/L	0.10	1	12/05/25 10:42	12/05/25 14:37	7440-38-2	
Barium	ND	mg/L	0.10	1	12/05/25 10:42	12/05/25 14:37	7440-39-3	
Cadmium	ND	mg/L	0.010	1	12/05/25 10:42	12/05/25 14:37	7440-43-9	
Chromium	ND	mg/L	0.050	1	12/05/25 10:42	12/05/25 14:37	7440-47-3	
Lead	ND	mg/L	0.10	1	12/05/25 10:42	12/05/25 14:37	7439-92-1	L1
Selenium	ND	mg/L	0.15	1	12/05/25 10:42	12/05/25 14:37	7782-49-2	L1
Silver	ND	mg/L	0.050	1	12/05/25 10:42	12/05/25 14:37	7440-22-4	

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ANALYTICAL RESULTS

Project: TCLP Testing
Pace Project No.: 92831784

Sample: Rags **Lab ID: 92831784002** Collected: 12/01/25 07:30 Received: 12/01/25 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 12/04/25 16:30 Pace Analytical Services - Ormond Beach							
Mercury	ND	mg/L	0.0020	1	12/07/25 11:30	12/07/25 14:09	7439-97-6	
8270E TCLP RVE	Analytical Method: EPA 8270E Preparation Method: EPA 3510C Leachate Method/Date: EPA 1311; 12/03/25 16:17 Initial pH: 5.8; Final pH: Pace Analytical Services - Charlotte							
1,4-Dichlorobenzene	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:42	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:42	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:42	87-68-3	
Hexachlorobenzene	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:42	118-74-1	
Hexachloroethane	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:42	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:42	95-48-7	
3&4-Methylphenol(m&p Cresol)	**204**	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:42	15831-10-4	
Nitrobenzene	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:42	98-95-3	
Pentachlorophenol	ND	ug/L	100	1	12/04/25 16:28	12/05/25 13:42	87-86-5	
Pyridine	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:42	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:42	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	50.0	1	12/04/25 16:28	12/05/25 13:42	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	40	%	10-133	1	12/04/25 16:28	12/05/25 13:42	4165-60-0	
2-Fluorobiphenyl (S)	21	%	10-130	1	12/04/25 16:28	12/05/25 13:42	321-60-8	
Terphenyl-d14 (S)	112	%	10-193	1	12/04/25 16:28	12/05/25 13:42	1718-51-0	
Phenol-d6 (S)	32	%	10-130	1	12/04/25 16:28	12/05/25 13:42	13127-88-3	
2-Fluorophenol (S)	33	%	10-130	1	12/04/25 16:28	12/05/25 13:42	367-12-4	
2,4,6-Tribromophenol (S)	75	%	10-166	1	12/04/25 16:28	12/05/25 13:42	118-79-6	
8260D MSV TCLP	Analytical Method: EPA 8260D Leachate Method/Date: EPA 1311; 12/04/25 10:22 Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	100	20		12/05/25 21:30	71-43-2	
2-Butanone (MEK)	**395**	ug/L	200	20		12/05/25 21:30	78-93-3	
Carbon tetrachloride	ND	ug/L	100	20		12/05/25 21:30	56-23-5	
Chlorobenzene	ND	ug/L	100	20		12/05/25 21:30	108-90-7	
Chloroform	ND	ug/L	100	20		12/05/25 21:30	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	100	20		12/05/25 21:30	106-46-7	
1,2-Dichloroethane	ND	ug/L	100	20		12/05/25 21:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	100	20		12/05/25 21:30	75-35-4	
Tetrachloroethene	ND	ug/L	100	20		12/05/25 21:30	127-18-4	
Trichloroethene	ND	ug/L	100	20		12/05/25 21:30	79-01-6	
Vinyl chloride	ND	ug/L	100	20		12/05/25 21:30	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	70-130	20		12/05/25 21:30	17060-07-0	
Toluene-d8 (S)	103	%	70-130	20		12/05/25 21:30	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130	20		12/05/25 21:30	460-00-4	

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ANALYTICAL RESULTS

Project: TCLP Testing
Pace Project No.: 92831784

Sample: Rags **Lab ID: 92831784002** Collected: 12/01/25 07:30 Received: 12/01/25 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540G Total Percent Solids	Analytical Method: SM 2540G-2011 Pace Analytical Services - Charlotte							
Total Solids	**35.7**	%	0.10	1		12/01/25 17:24		
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte							
Percent Moisture	**64.3**	%	0.10	1		12/01/25 17:17		N2
Wet Chemistry 1010B/ASTM D8175	Analytical Method: 1010B/ASTM D8175-18 Pace National - Mt. Juliet							
Ignitability	**DNI at 170**	deg F		1	12/10/25 16:00	12/10/25 16:00		
Wet Chemistry 9012B	Analytical Method: EPA 9012B Preparation Method: 9012B Pace National - Mt. Juliet							
Cyanide, Reactive	**0.641**	mg/kg	0.500	2	12/04/25 19:50	12/05/25 12:10		
Wet Chemistry 9034-9030B	Analytical Method: EPA 9030B Preparation Method: 9030B Pace National - Mt. Juliet							
Sulfide, Reactive	ND	mg/kg	75.0	1	12/06/25 08:24	12/10/25 15:10		
Wet Chemistry 9045D	Analytical Method: EPA 9045D Preparation Method: 9045C/9045D Pace National - Mt. Juliet							
pH	**5.60**	Std. Units	0.10	1	12/05/25 10:37	12/05/25 15:20		H3
9095 Paint Filter Liquid Test	Analytical Method: EPA 9095B Pace Analytical Services - Asheville							
Free Liquids	**PASS**		1.0	1		12/18/25 10:07		

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

QC Batch: 2653712
QC Batch Method: 3510C
Analysis Method: EPA 8081B
Analysis Description: Pesticides (GC) 8081B
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples:

METHOD BLANK: R4312025-1 Matrix: Solid
Associated Lab Samples: 92831784001, 92831784002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.00500	12/09/25 18:16	
Endrin	mg/L	ND	0.00500	12/09/25 18:16	
gamma-BHC (Lindane)	mg/L	ND	0.00500	12/09/25 18:16	
Heptachlor	mg/L	ND	0.00500	12/09/25 18:16	
Heptachlor epoxide	mg/L	ND	0.00500	12/09/25 18:16	
Methoxychlor	mg/L	ND	0.00500	12/09/25 18:16	
Toxaphene	mg/L	ND	0.0100	12/09/25 18:16	
Decachlorobiphenyl (S)	%	97.7	10.0-128	12/09/25 18:16	
Tetrachloro-m-xylene (S)	%	86.4	10.0-127	12/09/25 18:16	

LABORATORY CONTROL SAMPLE: R4312025-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	mg/L	0.0100	0.0109	109	57.0-134	
gamma-BHC (Lindane)	mg/L	0.0100	0.0110	110	55.0-129	
Heptachlor	mg/L	0.0100	0.00984	98.4	27.0-132	
Heptachlor epoxide	mg/L	0.0100	0.0105	105	57.0-130	
Methoxychlor	mg/L	0.0100	0.0114	114	54.0-155	
Decachlorobiphenyl (S)	%			93.7	10.0-128	
Tetrachloro-m-xylene (S)	%			87.2	10.0-127	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4312025-3 R4312025-4

Parameter	Units	L1924292-08 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Endrin	mg/L	ND	0.0100	0.0100	ND	ND	144	137	10.0-160	4.98	
gamma-BHC (Lindane)	mg/L	ND	0.0100	0.0100	ND	ND	104	100	14.0-141	3.92	
Heptachlor	mg/L	ND	0.0100	0.0100	ND	ND	87.7	91.3	16.0-136	4.02	
Heptachlor epoxide	mg/L	ND	0.0100	0.0100	ND	ND	88.3	85.8	10.0-160	2.87	
Methoxychlor	mg/L	ND	0.0100	0.0100	ND	ND	120	121	10.0-160	0.830	
Decachlorobiphenyl (S)	%						29.0	23.4	10.0-128		
Tetrachloro-m-xylene (S)	%						85.8	74.2	10.0-127		

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

QC Batch: 2652617
QC Batch Method: 8151A
Analysis Method: EPA 8151A
Analysis Description: Chlorinated Herb. (GC) 8151A
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92831784001, 92831784002

METHOD BLANK: R4311420-1 Matrix: Solid
Associated Lab Samples: 92831784001, 92831784002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	0.00200	12/08/25 14:11	
2,4-D	mg/L	ND	0.00200	12/08/25 14:11	
2,4-DCAA (S)	%	91.4	14.0-158	12/08/25 14:11	

LABORATORY CONTROL SAMPLE: R4311420-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	0.0250	0.0244	97.6	26.0-165	
2,4-D	mg/L	0.0250	0.0242	96.8	10.0-200	
2,4-DCAA (S)	%			90.6	14.0-158	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4311420-3 R4311420-4

Parameter	Units	L1923178-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,4,5-TP (Silvex)	mg/L	ND	0.0250	0.0250	ND	ND	85.6	82.4	26.0-165	3.81	
2,4-D	mg/L	ND	0.0250	0.0250	ND	ND	86.8	84.0	10.0-200	3.28	
2,4-DCAA (S)	%						81.0	80.2	14.0-158		

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

QC Batch: 1150422
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury TCLP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 92831784001, 92831784002

METHOD BLANK: 6301023 Matrix: Water
Associated Lab Samples: 92831784001, 92831784002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	12/07/25 13:44	

LABORATORY CONTROL SAMPLE: 6305296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0022	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6305297 6305298

Parameter	Units	92830057001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	mg/L	ND	0.02	0.02	0.021	0.021	102	104	75-125	1	

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

QC Batch: 1149986
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 92831784001, 92831784002

METHOD BLANK: 6301023 Matrix: Water
Associated Lab Samples: 92831784001, 92831784002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.010	12/05/25 14:11	
Barium	mg/L	ND	0.010	12/05/25 14:11	
Cadmium	mg/L	ND	0.0010	12/05/25 14:11	
Chromium	mg/L	ND	0.0050	12/05/25 14:11	
Lead	mg/L	0.086	0.010	12/05/25 14:11	
Selenium	mg/L	ND	0.015	12/05/25 14:11	
Silver	mg/L	ND	0.0050	12/05/25 14:11	

LABORATORY CONTROL SAMPLE: 6302800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.25	0.28	111	80-120	
Barium	mg/L	0.25	0.27	107	80-120	
Cadmium	mg/L	0.025	0.024	98	80-120	
Chromium	mg/L	0.25	0.25	102	80-120	
Lead	mg/L	0.25	0.32	128	80-120	L1
Selenium	mg/L	0.25	0.30	121	80-120	L1
Silver	mg/L	0.025	0.027	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6302801 6302802

Parameter	Units	92830057001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Arsenic	mg/L	1.1	2.5	2.5	3.6	3.5	99	93	75-125	4	
Barium	mg/L	ND	2.5	2.5	2.9	2.7	111	105	75-125	5	
Cadmium	mg/L	ND	0.25	0.25	0.25	0.25	98	99	75-125	1	
Chromium	mg/L	91.0	2.5	2.5	92.1	91.1	42	4	75-125	1	M1
Lead	mg/L	ND	2.5	2.5	2.9	2.8	103	101	75-125	2	
Selenium	mg/L	ND	2.5	2.5	2.7	2.6	97	93	75-125	3	
Silver	mg/L	ND	0.25	0.25	.21J	.22J	86	89	75-125		

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

QC Batch: 977338
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV TCLP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92831784001, 92831784002

METHOD BLANK: 5025716 Matrix: Water
Associated Lab Samples: 92831784001, 92831784002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	5.0	12/05/25 14:15	
1,2-Dichloroethane	ug/L	ND	5.0	12/05/25 14:15	
1,4-Dichlorobenzene	ug/L	ND	5.0	12/05/25 14:15	
2-Butanone (MEK)	ug/L	ND	10.0	12/05/25 14:15	
Benzene	ug/L	ND	5.0	12/05/25 14:15	
Carbon tetrachloride	ug/L	ND	5.0	12/05/25 14:15	
Chlorobenzene	ug/L	ND	5.0	12/05/25 14:15	
Chloroform	ug/L	ND	5.0	12/05/25 14:15	
Tetrachloroethene	ug/L	ND	5.0	12/05/25 14:15	
Trichloroethene	ug/L	ND	5.0	12/05/25 14:15	
Vinyl chloride	ug/L	ND	5.0	12/05/25 14:15	
1,2-Dichloroethane-d4 (S)	%	104	70-130	12/05/25 14:15	
4-Bromofluorobenzene (S)	%	95	70-130	12/05/25 14:15	
Toluene-d8 (S)	%	100	70-130	12/05/25 14:15	

LABORATORY CONTROL SAMPLE: 5025715

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	20	22.2	111	69-131	
1,2-Dichloroethane	ug/L	20	21.0	105	70-130	
1,4-Dichlorobenzene	ug/L	20	20.3	101	70-130	
2-Butanone (MEK)	ug/L	40	39.8	100	67-133	
Benzene	ug/L	20	20.5	102	70-130	
Carbon tetrachloride	ug/L	20	19.9	100	70-130	
Chlorobenzene	ug/L	20	20.7	103	70-130	
Chloroform	ug/L	20	20.1	100	70-130	
Tetrachloroethene	ug/L	20	20.2	101	70-130	
Trichloroethene	ug/L	20	20.1	101	70-130	
Vinyl chloride	ug/L	20	19.4	97	66-140	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5025717 5025718

Parameter	Units	92831888001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	ND	20	20	ND	ND	101	110	64-162		
1,2-Dichloroethane	ug/L	ND	20	20	ND	ND	102	104	68-145		
1,4-Dichlorobenzene	ug/L	ND	20	20	ND	ND	102	99	70-140		
2-Butanone (MEK)	ug/L	ND	40	40	ND	ND	99	108	57-156		
Benzene	ug/L	ND	20	20	ND	ND	98	96	68-144		
Carbon tetrachloride	ug/L	ND	20	20	ND	ND	95	91	70-147		
Chlorobenzene	ug/L	ND	20	20	ND	ND	106	107	70-143		
Chloroform	ug/L	ND	20	20	ND	ND	104	98	67-148		
Tetrachloroethene	ug/L	ND	20	20	ND	ND	88	82	70-145		
Trichloroethene	ug/L	ND	20	20	ND	ND	90	83	70-152		
Vinyl chloride	ug/L	ND	20	20	ND	ND	99	93	51-178		
1,2-Dichloroethane-d4 (S)	%						106	106	70-130		
4-Bromofluorobenzene (S)	%						97	98	70-130		
Toluene-d8 (S)	%						102	101	70-130		

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

QC Batch: 978748
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92831784001, 92831784002

METHOD BLANK: 5033118 Matrix: Solid
Associated Lab Samples: 92831784001, 92831784002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	33.0	12/12/25 19:56	
PCB-1221 (Aroclor 1221)	ug/kg	ND	33.0	12/12/25 19:56	
PCB-1232 (Aroclor 1232)	ug/kg	ND	33.0	12/12/25 19:56	
PCB-1242 (Aroclor 1242)	ug/kg	ND	33.0	12/12/25 19:56	
PCB-1248 (Aroclor 1248)	ug/kg	ND	33.0	12/12/25 19:56	
PCB-1254 (Aroclor 1254)	ug/kg	ND	33.0	12/12/25 19:56	
PCB-1260 (Aroclor 1260)	ug/kg	ND	33.0	12/12/25 19:56	
Decachlorobiphenyl (S)	%	92	10-166	12/12/25 19:56	

LABORATORY CONTROL SAMPLE: 5033119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	105	63	39-130	
PCB-1260 (Aroclor 1260)	ug/kg	167	111	67	44-130	
Decachlorobiphenyl (S)	%			70	10-166	

MATRIX SPIKE SAMPLE: 5033120

Parameter	Units	92834182001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	180	96.5	53	10-130	
PCB-1260 (Aroclor 1260)	ug/kg	ND	180	101	56	10-135	
Decachlorobiphenyl (S)	%				58	10-166	

SAMPLE DUPLICATE: 5033161

Parameter	Units	92834182002 Result	Dup Result	RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	ND		
PCB-1221 (Aroclor 1221)	ug/kg	ND	ND		
PCB-1232 (Aroclor 1232)	ug/kg	ND	ND		
PCB-1242 (Aroclor 1242)	ug/kg	ND	ND		
PCB-1248 (Aroclor 1248)	ug/kg	ND	ND		
PCB-1254 (Aroclor 1254)	ug/kg	ND	ND		
PCB-1260 (Aroclor 1260)	ug/kg	ND	ND		
Decachlorobiphenyl (S)	%	67	64		

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

QC Batch: 977061
QC Batch Method: EPA 3510C
Analysis Method: EPA 8270E
Analysis Description: 8270E TCLP MSSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92831784001, 92831784002

METHOD BLANK: 5021819 Matrix: Water
Associated Lab Samples: 92831784001, 92831784002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	50.0	12/05/25 11:41	
2,4,5-Trichlorophenol	ug/L	ND	50.0	12/05/25 11:41	
2,4,6-Trichlorophenol	ug/L	ND	50.0	12/05/25 11:41	
2,4-Dinitrotoluene	ug/L	ND	50.0	12/05/25 11:41	
2-Methylphenol(o-Cresol)	ug/L	ND	50.0	12/05/25 11:41	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50.0	12/05/25 11:41	
Hexachloro-1,3-butadiene	ug/L	ND	50.0	12/05/25 11:41	
Hexachlorobenzene	ug/L	ND	50.0	12/05/25 11:41	
Hexachloroethane	ug/L	ND	50.0	12/05/25 11:41	
Nitrobenzene	ug/L	ND	50.0	12/05/25 11:41	
Pentachlorophenol	ug/L	ND	100	12/05/25 11:41	
Pyridine	ug/L	ND	50.0	12/05/25 11:41	
2,4,6-Tribromophenol (S)	%	69	10-166	12/05/25 11:41	
2-Fluorobiphenyl (S)	%	20	10-130	12/05/25 11:41	
2-Fluorophenol (S)	%	36	10-130	12/05/25 11:41	
Nitrobenzene-d5 (S)	%	46	10-133	12/05/25 11:41	
Phenol-d6 (S)	%	32	10-130	12/05/25 11:41	
Terphenyl-d14 (S)	%	117	10-193	12/05/25 11:41	

LABORATORY CONTROL SAMPLE: 5023787

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	500	130	26	10-130	
2,4,5-Trichlorophenol	ug/L	500	251	50	36-150	
2,4,6-Trichlorophenol	ug/L	500	205	41	30-151	
2,4-Dinitrotoluene	ug/L	500	323	65	46-160	
2-Methylphenol(o-Cresol)	ug/L	500	280	56	32-130	
3&4-Methylphenol(m&p Cresol)	ug/L	500	277	55	29-130	
Hexachloro-1,3-butadiene	ug/L	500	157	31	10-130	
Hexachlorobenzene	ug/L	500	356	71	40-139	
Hexachloroethane	ug/L	500	109	22	10-130	
Nitrobenzene	ug/L	500	288	58	33-136	
Pentachlorophenol	ug/L	1000	325	33	19-156	
Pyridine	ug/L	500	224	45	10-130	
2,4,6-Tribromophenol (S)	%			70	10-166	
2-Fluorobiphenyl (S)	%			48	10-130	
2-Fluorophenol (S)	%			36	10-130	
Nitrobenzene-d5 (S)	%			52	10-133	
Phenol-d6 (S)	%			36	10-130	

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

LABORATORY CONTROL SAMPLE: 5023787

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Terphenyl-d14 (S)	%			81	10-193	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5023788 5023789

Parameter	Units	92831645001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,4-Dichlorobenzene	ug/L	ND	500	500	52.8	106	11	21	10-130	67	R1
2,4,5-Trichlorophenol	ug/L	ND	500	500	329	320	66	64	10-174	3	
2,4,6-Trichlorophenol	ug/L	ND	500	500	329	313	66	63	10-173	5	
2,4-Dinitrotoluene	ug/L	ND	500	500	412	390	82	78	29-168	5	
2-Methylphenol(o-Cresol)	ug/L	ND	500	500	288	275	58	55	10-130	4	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	500	500	288	270	58	54	10-132	6	
Hexachloro-1,3-butadiene	ug/L	ND	500	500	58.6	123	12	25	10-130	71	R1
Hexachlorobenzene	ug/L	ND	500	500	433	394	87	79	27-145	10	
Hexachloroethane	ug/L	ND	500	500	35.2J	94.2	7	19	10-130		M1
Nitrobenzene	ug/L	ND	500	500	272	295	54	59	10-145	8	
Pentachlorophenol	ug/L	ND	1000	1000	805	742	80	74	10-178	8	
Pyridine	ug/L	ND	500	500	10.6J	15.7J	2	3	10-130		M1
2,4,6-Tribromophenol (S)	%						86	80	10-166		
2-Fluorobiphenyl (S)	%						36	42	10-130		
2-Fluorophenol (S)	%						39	35	10-130		
Nitrobenzene-d5 (S)	%						52	49	10-133		
Phenol-d6 (S)	%						34	31	10-130		
Terphenyl-d14 (S)	%						106	91	10-193		

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

QC Batch: 976274
QC Batch Method: SW-846
Analysis Method: SW-846
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92831784001, 92831784002

SAMPLE DUPLICATE: 5019250

Parameter	Units	92831438001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	76.8	77.0	0	N2

SAMPLE DUPLICATE: 5019251

Parameter	Units	92831464003 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	28.3	29.4	4	N2

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

QC Batch: 2654690
QC Batch Method: 1010B/ASTM D8175-18
Analysis Method: 1010B/ASTM D8175-18
Analysis Description: Wet Chemistry 1010B/ASTM D8175
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92831784001, 92831784002

LABORATORY CONTROL SAMPLE & LCSD: R4312564-1 R4312564-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ignitability	deg F	126	127	128	101	101	96.5-103	0.786	10	

SAMPLE DUPLICATE: R4312564-3

Parameter	Units	L1923709-02 Result	Dup Result	RPD	Qualifiers
Ignitability	deg F	ND	DNI at 170	0.00	

SAMPLE DUPLICATE: R4312564-4

Parameter	Units	L1923841-01 Result	Dup Result	RPD	Qualifiers
Ignitability	deg F	ND	DNI at 170	0.00	

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

QC Batch: 2651835
QC Batch Method: 9012B
Analysis Method: EPA 9012B
Analysis Description: Wet Chemistry 9012B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92831784001, 92831784002

METHOD BLANK: R4310328-1 Matrix: Solid
Associated Lab Samples: 92831784001, 92831784002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide, Reactive	mg/kg	ND	0.250	12/05/25 08:41	

LABORATORY CONTROL SAMPLE: R4310328-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	2.50	2.82	113	85.0-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4310328-3 R4310328-4

Parameter	Units	L1923773-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Cyanide, Reactive	mg/kg	ND	1.67	1.67	ND	ND	96.3	93.5	75.0-125	2.94	

MATRIX SPIKE SAMPLE: R4310328-6

Parameter	Units	L1923773-03 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	ND	1.67	ND	74.6	75.0-125	ML

SAMPLE DUPLICATE: R4310328-5

Parameter	Units	L1923773-02 Result	Dup Result	RPD	Qualifiers
Cyanide, Reactive	mg/kg	ND	ND	0.00	

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

QC Batch: 2653397
QC Batch Method: 9030B
Analysis Method: EPA 9030B
Analysis Description: Wet Chemistry 9034-9030B
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92831784001, 92831784002

METHOD BLANK: R4312462-1 Matrix: Solid
Associated Lab Samples: 92831784001, 92831784002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	ND	75.0	12/10/25 15:10	

LABORATORY CONTROL SAMPLE: R4312462-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	100	90.9	90.9	53.8-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4312462-3 R4312462-4

Parameter	Units	L1924831-13 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Sulfide, Reactive	mg/kg	34.8	100	100	ND	ND	131	115	10.0-136	10.3	

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

QC Batch: 2652830
QC Batch Method: 9045C/9045D
Analysis Method: EPA 9045D
Analysis Description: Wet Chemistry 9045D
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92831784001, 92831784002

LABORATORY CONTROL SAMPLE: R4310446-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
pH	Std. Units	10.0	9.99	99.9	99.0-101	

SAMPLE DUPLICATE: R4310446-3

Parameter	Units	L1924170-01 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	8.29	8.31	0.241	

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

QC Batch: 2652830
QC Batch Method: EPA 9045D
Analysis Method: EPA 9045D
Analysis Description: Wet Chemistry 9045D
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 92831784001, 92831784002

LABORATORY CONTROL SAMPLE: R4310446-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
pH	Std. Units	10.0	9.99	99.9	99.0-101	

SAMPLE DUPLICATE: R4310446-3

Parameter	Units	L1924170-01 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	8.29	8.31	0.241	

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

QC Batch: 978219
QC Batch Method: EPA 9095B
Analysis Method: EPA 9095B
Analysis Description: 9095 PAINT FILTER LIQUID TEST
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92831784001

SAMPLE DUPLICATE: 5029769

Parameter	Units	92832954001 Result	Dup Result	RPD	Qualifiers
Free Liquids		PASS	PASS		

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92831784

QC Batch: 980078
QC Batch Method: EPA 9095B
Analysis Method: EPA 9095B
Analysis Description: 9095 PAINT FILTER LIQUID TEST
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92831784002

SAMPLE DUPLICATE: 5039475

Parameter	Units	92834587001 Result	Dup Result	RPD	Qualifiers
Free Liquids		PASS	PASS		

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QUALIFIERS

Project: TCLP Testing
Pace Project No.: 92831784

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 92831784

[1] All Reactive Cyanide results reported in the attached report were determined as totals using method 9012 B.

[1] All Reactive Sulfide results reported in the attached report were determined as totals using method 9034-9030B.

SAMPLE QUALIFIERS

Sample: 92831784001

[1] Wet Chemistry by Method 9045D - 6.67 at 19.2C

Sample: 92831784002

[1] Wet Chemistry by Method 9045D - 5.6 at 18.6C

Sample: R4310446-1

[1] Wet Chemistry by Method 9045D - 9.99 at 18.2C

Sample: R4310446-3

[1] Wet Chemistry by Method 9045D - 8.31 at 18.5C

Sample: L1924170-01

[1] Wet Chemistry by Method 9045D - 8.29 at 18.7C

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QUALIFIERS

Project: TCLP Testing
Pace Project No.: 92831784

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
H3	Sample was received or analysis requested beyond the recognized method holding time.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
R1	RPD value was outside control limits.

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TCLP Testing
Pace Project No.: 92831784

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92831784001	**Grit Screenings**	3510C	2653712	EPA 8081B	2653712
92831784002	**Rags**	3510C	2653712	EPA 8081B	2653712
92831784001	**Grit Screenings**	8151A	2652617	EPA 8151A	2652617
92831784002	**Rags**	8151A	2652617	EPA 8151A	2652617
92831784001	**Grit Screenings**	EPA 3546	978748	EPA 8082A	978898
92831784002	**Rags**	EPA 3546	978748	EPA 8082A	978898
92831784001	**Grit Screenings**	EPA 3010	1149986	EPA 6010	1150081
92831784002	**Rags**	EPA 3010	1149986	EPA 6010	1150081
92831784001	**Grit Screenings**	EPA 7470	1150422	EPA 7470	1150442
92831784002	**Rags**	EPA 7470	1150422	EPA 7470	1150442
92831784001	**Grit Screenings**	EPA 3510C	977061	EPA 8270E	977219
92831784002	**Rags**	EPA 3510C	977061	EPA 8270E	977219
92831784001	**Grit Screenings**	EPA 8260D	977338		
92831784002	**Rags**	EPA 8260D	977338		
92831784001	**Grit Screenings**	SM 2540G-2011	976384		
92831784002	**Rags**	SM 2540G-2011	976384		
92831784001	**Grit Screenings**	SW-846	976274		
92831784002	**Rags**	SW-846	976274		
92831784001	**Grit Screenings**	1010B/ASTM D8175-18	2654690		
92831784002	**Rags**	1010B/ASTM D8175-18	2654690		
92831784001	**Grit Screenings**	9012B	2651835	EPA 9012B	2651835
92831784002	**Rags**	9012B	2651835	EPA 9012B	2651835
92831784001	**Grit Screenings**	9030B	2653397	EPA 9030B	2653397
92831784002	**Rags**	9030B	2653397	EPA 9030B	2653397
92831784001	**Grit Screenings**	9045C/9045D	2652830	EPA 9045D	2652830
92831784002	**Rags**	9045C/9045D	2652830	EPA 9045D	2652830
92831784001	**Grit Screenings**	EPA 9095B	978219		
92831784002	**Rags**	EPA 9095B	980078		

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Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Union County

Project #: **WO# : 92831784**

92831784

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:____

Custody Seal Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: KTE 12/6

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer:
☐ IR Gun ID: 92T083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.6 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 3.6

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☑ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: SS				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☑ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

WO#: 92831784

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

PM: SK Due Date: 12/15/25
CLIENT: 92-Union Cou

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client Union County Profile/E2 (Circle one) 3325351 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (CL)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	AG2U	BP4S-125 mL Plastic H2SO4 (pH < 2) (CL)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (CL)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (CL)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (CL)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(CL)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (CL)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1					3					1			2																	
2					3					1			2																	
3																														
4																														
5																														
6																														
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11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace® Location Requested (City/State):
Pace Analytical Kernersville, NC
1377 South Park Dr., Kernersville, NC 27284

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Union County Public Works	Contact/Report To:	Keith Purgason
Street Address:	8299 Kensington Drive Waxhaw, NC 28173	Phone #:	(704)318-7177
		E-Mail:	keith.purgason@unioncountync.gov
		Cc E-Mail:	
Customer Project #:			
Project Name:	TCLP Testing	Invoice To:	AP County
		Invoice E-Mail:	water.ap@unioncountync.gov
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): North Carolina

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (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 Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8082 Total PCB/% Solids	9095 Paint Filter Liquid Test	RCI - PN	TCLP 8260/8270/8081	TCLP Herbicides by 8151 - PN	TCLP RCRA 8 Metals - OB	Sample Comment
Grit Screenings	SL	G	/	/	12/01/25	0715	6			X	X	X	X	X	X	
Rags	SL	G	/	/	12/01/25	0730	6			X	X	X	X	X	X	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**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

Lab Use Only

Proj. Mgr: **Stephanie Knott**

AcctNum / Client ID:

Table #:

Profile / Template: **16076**

Prelog / Bottle Ord. ID: **EZ 3325351**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: (Printed Name) JULIAN COLEY

Signature: J. H Coley

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	92T083	0	3.6	3.6	

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
J. H Coley / UCW	12/01/25 1046		12/1/25 1050	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
	12/1/25 c	Kyle Teague/PACE	12/01/25 1235	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

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 ©

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

July 07, 2025

Keith Purgason
Union County Public Works
8299 Kensington Drive
Waxhaw, NC 28173

RE: Project: TCLP Testing
Pace Project No.: 92801413

Dear Keith Purgason:

Enclosed are the analytical results for sample(s) received by the laboratory on June 10, 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.

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

- Pace National - Mt. Juliet
- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Ormond Beach

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

Sincerely,

Stephanie Knott

Stephanie Knott
stephanie.knott@pacelabs.com
704-977-0981
Project Manager

Enclosures

cc: Julian Coley
Jonathan Jordan
Kevin Merrill

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: TCLP Testing
Pace Project No.: 92801413

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
California Certification# 3096
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Utah
Utah FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services National
12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: TCLP Testing
Pace Project No.: 92801413

Pace Analytical Services National

Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: TCLP Testing
Pace Project No.: 92801413

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92801413001	**UC12-BFP-1-CAKE**	EPA 8151A	HMH	3	PAN
		EPA 8081B	SEM	9	PASI-C
		EPA 8082A	BAJ	8	PASI-C
		EPA 6010	JMP2	7	PASI-O
		EPA 7470	JNK	1	PASI-O
		EPA 8270E	ICO	18	PASI-C
		EPA 8260D	SAS	14	PASI-C
		SM 2540G-2011	KDF	1	PASI-C
		SW-846	KDF	1	PASI-C
		EPA 9095B	SMS	1	PASI-A

PAN = Pace National - Mt. Juliet
PASI-A = Pace Analytical Services - Asheville
PASI-C = Pace Analytical Services - Charlotte
PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: TCLP Testing
Pace Project No.: 92801413

Sample: UC12-BFP-1-CAKE **Lab ID: 92801413001** Collected: 06/10/25 06:45 Received: 06/10/25 12:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Chlorinated Herb. (GC) 8151A	Analytical Method: EPA 8151A Preparation Method: 8151A Leachate Method/Date: 1311; 06/12/25 18:20 Initial pH: 6.54; Final pH: 5.02 Pace National - Mt. Juliet							
2,4,5-TP (Silvex)	ND	mg/L	0.00200	1	06/19/25 16:48	06/20/25 22:18	93-72-1	
2,4-D	ND	mg/L	0.00200	1	06/19/25 16:48	06/20/25 22:18	94-75-7	
Surrogates								
2,4-DCAA (S)	90.0	%	14.0-158	1	06/19/25 16:48	06/20/25 22:18	19719-28-9	
8081 TCLP Pesticides RVE	Analytical Method: EPA 8081B Preparation Method: EPA 3510C Leachate Method/Date: EPA 1311; 06/13/25 16:39 Initial pH: 6.9; Final pH: 5 Pace Analytical Services - Charlotte							
gamma-BHC (Lindane)	ND	ug/L	0.50	1	06/18/25 22:01	06/19/25 07:52	58-89-9	
Chlordane (Technical)	ND	ug/L	3.0	1	06/18/25 22:01	06/19/25 07:52	57-74-9	
Endrin	ND	ug/L	0.50	1	06/18/25 22:01	06/19/25 07:52	72-20-8	
Heptachlor	ND	ug/L	0.50	1	06/18/25 22:01	06/19/25 07:52	76-44-8	
Heptachlor epoxide	ND	ug/L	0.50	1	06/18/25 22:01	06/19/25 07:52	1024-57-3	
Methoxychlor	ND	ug/L	1000	1	06/18/25 22:01	06/19/25 07:52	72-43-5	
Toxaphene	ND	ug/L	3.0	1	06/18/25 22:01	06/19/25 07:52	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	92	%	10-200	1	06/18/25 22:01	06/19/25 07:52	2051-24-3	
Tetrachloro-m-xylene (S)	45	%	10-190	1	06/18/25 22:01	06/19/25 07:52	877-09-8	
8082 GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3546 Pace Analytical Services - Charlotte							
PCB-1016 (Aroclor 1016)	ND	ug/kg	209	1	06/26/25 16:45	06/27/25 08:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	209	1	06/26/25 16:45	06/27/25 08:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	209	1	06/26/25 16:45	06/27/25 08:53	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	209	1	06/26/25 16:45	06/27/25 08:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	209	1	06/26/25 16:45	06/27/25 08:53	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	209	1	06/26/25 16:45	06/27/25 08:53	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	209	1	06/26/25 16:45	06/27/25 08:53	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	38	%	10-166	1	06/26/25 16:45	06/27/25 08:53	2051-24-3	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 06/12/25 14:21 Pace Analytical Services - Ormond Beach							
Arsenic	ND	mg/L	0.10	1	06/13/25 09:55	06/16/25 09:12	7440-38-2	
Barium	ND	mg/L	0.10	1	06/13/25 09:55	06/16/25 09:12	7440-39-3	
Cadmium	ND	mg/L	0.010	1	06/13/25 09:55	06/16/25 09:12	7440-43-9	
Chromium	ND	mg/L	0.050	1	06/13/25 09:55	06/16/25 09:12	7440-47-3	
Lead	**0.10**	mg/L	0.10	1	06/13/25 09:55	06/16/25 09:12	7439-92-1	
Selenium	ND	mg/L	0.15	1	06/13/25 09:55	06/16/25 09:12	7782-49-2	
Silver	ND	mg/L	0.050	1	06/13/25 09:55	06/16/25 09:12	7440-22-4	

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(704)875-9092

ANALYTICAL RESULTS

Project: TCLP Testing
Pace Project No.: 92801413

Sample: UC12-BFP-1-CAKE **Lab ID: 92801413001** Collected: 06/10/25 06:45 Received: 06/10/25 12:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 06/12/25 14:21 Pace Analytical Services - Ormond Beach							
Mercury	ND	mg/L	0.0020	1	06/18/25 09:29	06/18/25 12:56	7439-97-6	
8270E TCLP RVE	Analytical Method: EPA 8270E Preparation Method: EPA 3510C Leachate Method/Date: EPA 1311; 06/13/25 16:39 Initial pH: 6.9; Final pH: 5 Pace Analytical Services - Charlotte							
1,4-Dichlorobenzene	ND	ug/L	50.0	1	06/16/25 16:28	06/17/25 12:57	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	50.0	1	06/16/25 16:28	06/17/25 12:57	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	50.0	1	06/16/25 16:28	06/17/25 12:57	87-68-3	
Hexachlorobenzene	ND	ug/L	50.0	1	06/16/25 16:28	06/17/25 12:57	118-74-1	
Hexachloroethane	ND	ug/L	50.0	1	06/16/25 16:28	06/17/25 12:57	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	50.0	1	06/16/25 16:28	06/17/25 12:57	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	50.0	1	06/16/25 16:28	06/17/25 12:57	15831-10-4	
Nitrobenzene	ND	ug/L	50.0	1	06/16/25 16:28	06/17/25 12:57	98-95-3	
Pentachlorophenol	ND	ug/L	100	1	06/16/25 16:28	06/17/25 12:57	87-86-5	
Pyridine	ND	ug/L	50.0	1	06/16/25 16:28	06/17/25 12:57	110-86-1	M1
2,4,5-Trichlorophenol	ND	ug/L	50.0	1	06/16/25 16:28	06/17/25 12:57	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	50.0	1	06/16/25 16:28	06/17/25 12:57	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	33	%	10-133	1	06/16/25 16:28	06/17/25 12:57	4165-60-0	
2-Fluorobiphenyl (S)	27	%	10-130	1	06/16/25 16:28	06/17/25 12:57	321-60-8	
Terphenyl-d14 (S)	91	%	10-193	1	06/16/25 16:28	06/17/25 12:57	1718-51-0	
Phenol-d6 (S)	32	%	10-130	1	06/16/25 16:28	06/17/25 12:57	13127-88-3	
2-Fluorophenol (S)	32	%	10-130	1	06/16/25 16:28	06/17/25 12:57	367-12-4	
2,4,6-Tribromophenol (S)	71	%	10-166	1	06/16/25 16:28	06/17/25 12:57	118-79-6	
8260D MSV TCLP	Analytical Method: EPA 8260D Leachate Method/Date: EPA 1311; 06/17/25 10:42 Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	100	20		06/18/25 21:26	71-43-2	
2-Butanone (MEK)	ND	ug/L	200	20		06/18/25 21:26	78-93-3	
Carbon tetrachloride	ND	ug/L	100	20		06/18/25 21:26	56-23-5	
Chlorobenzene	ND	ug/L	100	20		06/18/25 21:26	108-90-7	
Chloroform	ND	ug/L	100	20		06/18/25 21:26	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	100	20		06/18/25 21:26	106-46-7	
1,2-Dichloroethane	ND	ug/L	100	20		06/18/25 21:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	100	20		06/18/25 21:26	75-35-4	
Tetrachloroethene	ND	ug/L	100	20		06/18/25 21:26	127-18-4	
Trichloroethene	ND	ug/L	100	20		06/18/25 21:26	79-01-6	
Vinyl chloride	ND	ug/L	100	20		06/18/25 21:26	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	70-130	20		06/18/25 21:26	17060-07-0	
Toluene-d8 (S)	101	%	70-130	20		06/18/25 21:26	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130	20		06/18/25 21:26	460-00-4	

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ANALYTICAL RESULTS

Project: TCLP Testing
Pace Project No.: 92801413

Sample: UC12-BFP-1-CAKE **Lab ID: 92801413001** Collected: 06/10/25 06:45 Received: 06/10/25 12:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540G Total Percent Solids	Analytical Method: SM 2540G-2011 Pace Analytical Services - Charlotte							
Total Solids	**15.8**	%	0.10	1		06/10/25 17:20		
Percent Moisture	Analytical Method: SW-846 Pace Analytical Services - Charlotte							
Percent Moisture	**84.2**	%	0.10	1		06/10/25 17:13		N2
9095 Paint Filter Liquid Test	Analytical Method: EPA 9095B Pace Analytical Services - Asheville							
Free Liquids	**PASS**		1.0	1		06/11/25 16:16		

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92801413

QC Batch: 2540308
QC Batch Method: 8151A
Analysis Method: EPA 8151A
Analysis Description: Chlorinated Herb. (GC) 8151A
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 92801413001

METHOD BLANK: R4234617-1 Matrix: Solid
Associated Lab Samples: 92801413001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	0.00200	06/20/25 18:57	
2,4-D	mg/L	ND	0.00200	06/20/25 18:57	
2,4-DCAA (S)	%	76	14.0-158	06/20/25 18:57	

LABORATORY CONTROL SAMPLE: R4234617-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	0.0250	0.0217	86.8	50.0-125	
2,4-D	mg/L	0.0250	0.0223	89.2	50.0-120	
2,4-DCAA (S)	%			85.0	14.0-158	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R4234617-3 R4234617-4

Parameter	Units	L1869745-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,4,5-TP (Silvex)	mg/L	ND	0.0250	0.0250	ND	ND	83.2	83.6	50.0-125	0.480	
2,4-D	mg/L	ND	0.0250	0.0250	ND	ND	90.0	82.0	50.0-120	9.30	
2,4-DCAA (S)	%						83.0	85.0	14.0-158		

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92801413

QC Batch: 1106767
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury TCLP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 92801413001

METHOD BLANK: 6064075 Matrix: Water
Associated Lab Samples: 92801413001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	06/18/25 12:40	

LABORATORY CONTROL SAMPLE: 6071618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.002	0.0020	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6071619 6071620

Parameter	Units	92801151001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	mg/L	ND	0.02	0.02	0.020	0.020	101	98	75-125	4	

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92801413

QC Batch: 1105637
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 92801413001

METHOD BLANK: 6064075 Matrix: Water
Associated Lab Samples: 92801413001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.010	06/20/25 07:24	
Barium	mg/L	ND	0.010	06/20/25 07:24	
Cadmium	mg/L	ND	0.0010	06/20/25 07:24	
Chromium	mg/L	ND	0.0050	06/20/25 07:24	
Lead	mg/L	ND	0.010	06/20/25 07:24	
Selenium	mg/L	ND	0.015	06/20/25 07:24	
Silver	mg/L	ND	0.0050	06/20/25 07:24	

LABORATORY CONTROL SAMPLE: 6065993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.25	0.27	107	80-120	
Barium	mg/L	0.25	0.24	97	80-120	
Cadmium	mg/L	0.025	0.024	97	80-120	
Chromium	mg/L	0.25	0.25	98	80-120	
Lead	mg/L	0.25	0.23	94	80-120	
Selenium	mg/L	0.25	0.29	116	80-120	
Silver	mg/L	0.025	0.028	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6065994 6065995

Parameter	Units	92801151001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Arsenic	mg/L	ND	2.5	2.5	2.5	2.5	99	99	75-125	0	
Barium	mg/L	ND	2.5	2.5	2.6	2.6	102	102	75-125	1	
Cadmium	mg/L	ND	0.25	0.25	0.25	0.25	99	100	75-125	1	
Chromium	mg/L	ND	2.5	2.5	2.5	2.5	100	100	75-125	1	
Lead	mg/L	ND	2.5	2.5	2.5	2.5	99	99	75-125	0	
Selenium	mg/L	ND	2.5	2.5	2.3	2.4	92	94	75-125	2	
Silver	mg/L	ND	0.25	0.25	0.26	0.26	102	103	75-125	1	

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92801413

QC Batch: 942690
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV TCLP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92801413001

METHOD BLANK: 4844488 Matrix: Water
Associated Lab Samples: 92801413001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	5.0	06/18/25 10:58	
1,2-Dichloroethane	ug/L	ND	5.0	06/18/25 10:58	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/18/25 10:58	
2-Butanone (MEK)	ug/L	ND	10.0	06/18/25 10:58	
Benzene	ug/L	ND	5.0	06/18/25 10:58	
Carbon tetrachloride	ug/L	ND	5.0	06/18/25 10:58	
Chlorobenzene	ug/L	ND	5.0	06/18/25 10:58	
Chloroform	ug/L	ND	5.0	06/18/25 10:58	
Tetrachloroethene	ug/L	ND	5.0	06/18/25 10:58	
Trichloroethene	ug/L	ND	5.0	06/18/25 10:58	
Vinyl chloride	ug/L	ND	5.0	06/18/25 10:58	
1,2-Dichloroethane-d4 (S)	%	100	70-130	06/18/25 10:58	
4-Bromofluorobenzene (S)	%	96	70-130	06/18/25 10:58	
Toluene-d8 (S)	%	100	70-130	06/18/25 10:58	

LABORATORY CONTROL SAMPLE: 4844487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	20	20.5	103	69-131	
1,2-Dichloroethane	ug/L	20	20.3	102	70-130	
1,4-Dichlorobenzene	ug/L	20	19.4	97	70-130	
2-Butanone (MEK)	ug/L	40	40.9	102	67-133	
Benzene	ug/L	20	20.2	101	70-130	
Carbon tetrachloride	ug/L	20	18.5	93	70-130	
Chlorobenzene	ug/L	20	19.7	99	70-130	
Chloroform	ug/L	20	19.1	96	70-130	
Tetrachloroethene	ug/L	20	18.6	93	70-130	
Trichloroethene	ug/L	20	19.6	98	70-130	
Vinyl chloride	ug/L	20	17.3	87	66-140	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92801413

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4844489 4844490

Parameter	Units	92802308001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	ND	20	20	ND	ND	92	93	64-162		
1,2-Dichloroethane	ug/L	ND	20	20	ND	ND	95	92	68-145		
1,4-Dichlorobenzene	ug/L	ND	20	20	ND	ND	126	111	70-140		
2-Butanone (MEK)	ug/L	ND	40	40	ND	ND	106	110	57-156		
Benzene	ug/L	ND	20	20	ND	ND	103	106	68-144		
Carbon tetrachloride	ug/L	ND	20	20	ND	ND	95	92	70-147		
Chlorobenzene	ug/L	ND	20	20	ND	ND	112	106	70-143		
Chloroform	ug/L	ND	20	20	ND	ND	101	104	67-148		
Tetrachloroethene	ug/L	ND	20	20	ND	ND	92	95	70-145		
Trichloroethene	ug/L	ND	20	20	ND	ND	90	90	70-152		
Vinyl chloride	ug/L	ND	20	20	ND	ND	82	71	51-178		
1,2-Dichloroethane-d4 (S)	%						101	103	70-130		
4-Bromofluorobenzene (S)	%						99	100	70-130		
Toluene-d8 (S)	%						100	101	70-130		

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92801413

QC Batch: 942664
QC Batch Method: EPA 3510C
Analysis Method: EPA 8081B
Analysis Description: 8081 TCLP Pesticides RV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92801413001

METHOD BLANK: 4838798 Matrix: Water
Associated Lab Samples: 92801413001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	ug/L	ND	3.0	06/18/25 16:28	
Endrin	ug/L	ND	0.50	06/18/25 16:28	
gamma-BHC (Lindane)	ug/L	ND	0.50	06/18/25 16:28	
Heptachlor	ug/L	ND	0.50	06/18/25 16:28	
Heptachlor epoxide	ug/L	ND	0.50	06/18/25 16:28	
Methoxychlor	ug/L	ND	1000	06/18/25 16:28	
Toxaphene	ug/L	ND	3.0	06/18/25 16:28	
Decachlorobiphenyl (S)	%	159	10-200	06/18/25 16:28	
Tetrachloro-m-xylene (S)	%	73	10-190	06/18/25 16:28	

LABORATORY CONTROL SAMPLE: 4844427

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	ug/L	1.2	0.96	77	35-200	
gamma-BHC (Lindane)	ug/L	1.2	1.1	91	24-165	
Heptachlor	ug/L	1.2	1.2	93	18-183	
Heptachlor epoxide	ug/L	1.2	1.0	81	31-159	
Methoxychlor	ug/L	3.8	2.7J	73	28-173	
Decachlorobiphenyl (S)	%			151	10-200	
Tetrachloro-m-xylene (S)	%			62	10-190	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4844428 4844429

Parameter	Units	92801483001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Endrin	ug/L	ND	1.2	1.2	0.68	1.4	54	111	10-200	69	R1
gamma-BHC (Lindane)	ug/L	ND	1.2	1.2	0.76	1.4	61	110	10-188	58	R1
Heptachlor	ug/L	ND	1.2	1.2	0.80	1.6	64	125	10-200	64	R1
Heptachlor epoxide	ug/L	ND	1.2	1.2	0.58	1.3	47	101	10-186	74	R1
Methoxychlor	ug/L	ND	3.8	3.8	2J	4J	54	106	10-194		
Decachlorobiphenyl (S)	%						107	182	10-200		
Tetrachloro-m-xylene (S)	%						25	105	10-190		

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92801413

QC Batch: 944505
QC Batch Method: EPA 3546
Analysis Method: EPA 8082A
Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92801413001

METHOD BLANK: 4854219 Matrix: Solid
Associated Lab Samples: 92801413001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	33.0	06/27/25 09:43	
PCB-1221 (Aroclor 1221)	ug/kg	ND	33.0	06/27/25 09:43	
PCB-1232 (Aroclor 1232)	ug/kg	ND	33.0	06/27/25 09:43	
PCB-1242 (Aroclor 1242)	ug/kg	ND	33.0	06/27/25 09:43	
PCB-1248 (Aroclor 1248)	ug/kg	ND	33.0	06/27/25 09:43	
PCB-1254 (Aroclor 1254)	ug/kg	ND	33.0	06/27/25 09:43	
PCB-1260 (Aroclor 1260)	ug/kg	ND	33.0	06/27/25 09:43	
Decachlorobiphenyl (S)	%	85	10-166	06/27/25 09:43	

LABORATORY CONTROL SAMPLE: 4854220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	140	84	39-130	
PCB-1260 (Aroclor 1260)	ug/kg	167	152	91	44-130	
Decachlorobiphenyl (S)	%			90	10-166	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4854221 4854222

Parameter	Units	92801413001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	1070	1050	619	525	58	50	10-130	16	
PCB-1260 (Aroclor 1260)	ug/kg	ND	1070	1050	314	342	29	33	10-135	8	
Decachlorobiphenyl (S)	%						40	41	10-166		

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QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92801413

QC Batch: 942218
QC Batch Method: EPA 3510C
Analysis Method: EPA 8270E
Analysis Description: 8270E TCLP MSSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92801413001

METHOD BLANK: 4840623 Matrix: Water
Associated Lab Samples: 92801413001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	50.0	06/17/25 12:05	
2,4,5-Trichlorophenol	ug/L	ND	50.0	06/17/25 12:05	
2,4,6-Trichlorophenol	ug/L	ND	50.0	06/17/25 12:05	
2,4-Dinitrotoluene	ug/L	ND	50.0	06/17/25 12:05	
2-Methylphenol(o-Cresol)	ug/L	ND	50.0	06/17/25 12:05	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50.0	06/17/25 12:05	
Hexachloro-1,3-butadiene	ug/L	ND	50.0	06/17/25 12:05	
Hexachlorobenzene	ug/L	ND	50.0	06/17/25 12:05	
Hexachloroethane	ug/L	ND	50.0	06/17/25 12:05	
Nitrobenzene	ug/L	ND	50.0	06/17/25 12:05	
Pentachlorophenol	ug/L	ND	100	06/17/25 12:05	
Pyridine	ug/L	ND	50.0	06/17/25 12:05	
2,4,6-Tribromophenol (S)	%	84	10-166	06/17/25 12:05	
2-Fluorobiphenyl (S)	%	72	10-130	06/17/25 12:05	
2-Fluorophenol (S)	%	60	10-130	06/17/25 12:05	
Nitrobenzene-d5 (S)	%	80	10-133	06/17/25 12:05	
Phenol-d6 (S)	%	49	10-130	06/17/25 12:05	
Terphenyl-d14 (S)	%	103	10-193	06/17/25 12:05	

LABORATORY CONTROL SAMPLE: 4842654

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	500	298	60	10-130	
2,4,5-Trichlorophenol	ug/L	500	441	88	36-150	
2,4,6-Trichlorophenol	ug/L	500	442	88	30-151	
2,4-Dinitrotoluene	ug/L	500	495	99	46-160	
2-Methylphenol(o-Cresol)	ug/L	500	438	88	32-130	
3&4-Methylphenol(m&p Cresol)	ug/L	500	423	85	29-130	
Hexachloro-1,3-butadiene	ug/L	500	348	70	10-130	
Hexachlorobenzene	ug/L	500	472	94	40-139	
Hexachloroethane	ug/L	500	308	62	10-130	
Nitrobenzene	ug/L	500	465	93	33-136	
Pentachlorophenol	ug/L	1000	954	95	19-156	
Pyridine	ug/L	500	58.0	12	10-130	
2,4,6-Tribromophenol (S)	%			99	10-166	
2-Fluorobiphenyl (S)	%			83	10-130	
2-Fluorophenol (S)	%			67	10-130	
Nitrobenzene-d5 (S)	%			90	10-133	
Phenol-d6 (S)	%			57	10-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92801413

LABORATORY CONTROL SAMPLE: 4842654

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Terphenyl-d14 (S)	%			106	10-193	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4842655 4842656

Parameter	Units	92801413001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,4-Dichlorobenzene	ug/L	ND	500	500	150	178	30	36	10-130	17	
2,4,5-Trichlorophenol	ug/L	ND	500	500	396	449	79	90	10-174	13	
2,4,6-Trichlorophenol	ug/L	ND	500	500	380	432	76	86	10-173	13	
2,4-Dinitrotoluene	ug/L	ND	500	500	467	489	93	98	29-168	5	
2-Methylphenol(o-Cresol)	ug/L	ND	500	500	368	428	74	86	10-130	15	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	500	500	353	412	71	82	10-132	16	
Hexachloro-1,3-butadiene	ug/L	ND	500	500	204	226	41	45	10-130	10	
Hexachlorobenzene	ug/L	ND	500	500	434	466	87	93	27-145	7	
Hexachloroethane	ug/L	ND	500	500	147	166	29	33	10-130	12	
Nitrobenzene	ug/L	ND	500	500	367	421	73	84	10-145	14	
Pentachlorophenol	ug/L	ND	1000	1000	960	983	96	98	10-178	2	
Pyridine	ug/L	ND	500	500	22.7J	47J	5	9	10-130		M1
2,4,6-Tribromophenol (S)	%						77	86	10-166		
2-Fluorobiphenyl (S)	%						47	66	10-130		
2-Fluorophenol (S)	%						40	50	10-130		
Nitrobenzene-d5 (S)	%						49	67	10-133		
Phenol-d6 (S)	%						39	47	10-130		
Terphenyl-d14 (S)	%						88	91	10-193		

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92801413

QC Batch: 940995
QC Batch Method: SW-846
Analysis Method: SW-846
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92801413001

SAMPLE DUPLICATE: 4836129

Parameter	Units	92801096021 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	11.9	11.5	3	N2

SAMPLE DUPLICATE: 4836130

Parameter	Units	92801413001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	84.2	84.2	0	N2

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: TCLP Testing
Pace Project No.: 92801413

QC Batch: 941293
QC Batch Method: EPA 9095B
Analysis Method: EPA 9095B
Analysis Description: 9095 PAINT FILTER LIQUID TEST
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92801413001

SAMPLE DUPLICATE: 4837515

Parameter	Units	92801154001 Result	Dup Result	RPD	Qualifiers
Free Liquids		FAIL	FAIL		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: TCLP Testing
Pace Project No.: 92801413

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
R1	RPD value was outside control limits.

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TCLP Testing
Pace Project No.: 92801413

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92801413001	**UC12-BFP-1-CAKE**	8151A	2540308	EPA 8151A	2540308
92801413001	**UC12-BFP-1-CAKE**	EPA 3510C	942664	EPA 8081B	942760
92801413001	**UC12-BFP-1-CAKE**	EPA 3546	944505	EPA 8082A	944634
92801413001	**UC12-BFP-1-CAKE**	EPA 3010	1105637	EPA 6010	1105881
92801413001	**UC12-BFP-1-CAKE**	EPA 7470	1106767	EPA 7470	1106841
92801413001	**UC12-BFP-1-CAKE**	EPA 3510C	942218	EPA 8270E	942337
92801413001	**UC12-BFP-1-CAKE**	EPA 8260D	942690		
92801413001	**UC12-BFP-1-CAKE**	SM 2540G-2011	941253		
92801413001	**UC12-BFP-1-CAKE**	SW-846	940995		
92801413001	**UC12-BFP-1-CAKE**	EPA 9095B	941293		

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Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Union County

Project #: WO#: 92801413

92801413

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☑ Other: UC

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: TC 6.10.25

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 92T083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.5 Correction Factor: Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 3.5

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☑ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☑ No	☐ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: SL				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

WO#: 92801413

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

PM: SK Due Date: 06/24/25
CLIENT: 92-Union Cou

Laboratory Receiving location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	AG2U	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG84-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	VJGK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-40 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1													1																	
2										1																				
3					1																									
4					1																									
5													1																	
6													1																	
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace® Location Requested (City/State):
Pace Analytical Kernersville, NC
1377 South Park Dr., Kernersville, NC 27284

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Union County Public Works	Contact/Report To:	Keith Purgason
Street Address:	8299 Kensington Drive Waxhaw, NC 28173	Phone #:	(704)318-7177
		E-Mail:	keith.purgason@unioncountync.gov
		Cc E-Mail:	
Customer Project #:			
Project Name:	TCLP Testing	Invoice To:	AP County
		Invoice E-Mail:	water.ap@unioncountync.gov
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET

County / State origin of sample(s): North Carolina

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **: 3 | 10 | 2 | 2 | 3 | 3

Identify Container Preservative Type***: 1 | 1 | 1 | 1 | 1 | 1

**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

Analysis Requested

Lab Use Only — Proj. Mgr: Stephanie Knott; AcctNum / Client ID:; Table #:; Profile / Template: 16076; Prelog / Bottle Ord. ID: EZ 3268088

Preservation non-conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (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 Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8082 Total PCB/% Solids	9095 Paint Filter Liquid Test	RCI - ELON	TCLP 8260/8270/8081	TCLP Herbicides by 8151 - PN	TCLP RCRA 8 Metals - OB	Sample Comment
UC12-BFP_1_CAFE	BS	G			06/10/25	0645	1			X						
UC12-BFP_1_CAFE	BS	G			06/10/25	0645	1				X					
UC12-BFP_1_CAFE	BS	G			06/10/25	0645	1					X				
UC12-BFP_1_CAFE	BS	G			06/10/25	0645	1						X	X	TFC	
UC12-BFP_1_CAFE	BS	G			06/10/25	0645	1							X	X TFC	
UC12-BFP_1_CAFE	BS	G			06/10/25	0645	1								X	

Additional Instructions from Pace®:

Collected By: (Printed Name) JULIAN H. COLEY

Signature: Julian H Coley

Customer Remarks / Special Conditions / Possible Hazards:

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:
Julian H Coley / UCW	06/10/25 @ 0718		6/10/25 1044
	6/10/25 1255	Pace HVL	6-10-25 1255

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

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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 ©

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

June 26, 2025

Stephanie Knott
Pace Analytical Services - NC
1377 South Park Dr.
Kernersville, NC 27284

Project Location: TCLP Tsting
Client Job Number:
Project Number: 92801413
Laboratory Work Order Number: 25F0823

Enclosed are results of analyses for samples as received by the laboratory on June 11, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rebecca Faust
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - NC
1377 South Park Dr.
Kernersville, NC 27284
ATTN: Stephanie Knott

REPORT DATE: 6/26/2025

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 92801413

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25F0823

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: TCLP Tsting

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
UC12-BRP-1-CAKE	25F0823-01	Soil		SW-846 1030	
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045D	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 9045D

Qualifications:

H-03

Sample received after recommended holding time was exceeded.

Analyte & Samples(s) Qualified:

pH

25F0823-01[UC12-BRP-1-CAKE]

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: TCLP Tsting | Sample Description: | Work Order: 25F0823

Date Received: 6/11/2025

Field Sample #: UC12-BRP-1-CAKE | Sampled: 6/10/2025 06:45

Sample ID: 25F0823-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ignitability	Absent			present/absent	1		SW-846 1030	6/25/25	6/25/25 13:21	EDS
pH @20.6°C	6.3			pH Units	1	H-03	SW-846 9045D	6/12/25	6/12/25 23:48	JF
Reactive Cyanide	ND	3.9	3.9	mg/Kg	1		SW-846 9014	6/16/25	6/17/25 14:00	EC
Reactive Sulfide	ND	20	20	mg/L	1		SW-846 9030A	6/18/25	6/18/25 14:00	EC

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

SW-846 1030

Lab Number [Field ID]	Batch	Initial [g]	Date
25F0823-01 [UC12-BRP-1-CAKE]	B408068	50.0	06/25/25

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
25F0823-01 [UC12-BRP-1-CAKE]	B407418	25.5	250	06/16/25

Prep Method: SW-846 7.3-SW-846 9030A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
25F0823-01 [UC12-BRP-1-CAKE]	B407664	25.0	250	06/18/25

SW-846 9045D

Lab Number [Field ID]	Batch	Initial [g]	Date
25F0823-01 [UC12-BRP-1-CAKE]	B407270	20.0	06/12/25

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B407270 - SW-846 9045D											
LCS (B407270-BS1)					Prepared & Analyzed: 06/12/25						
pH	5.96			pH Units	6.000		99.3	90-110			
Duplicate (B407270-DUP1)		**Source: 25F0823-01**			Prepared & Analyzed: 06/12/25						
pH	6.3			pH Units		6.3			0.602	12.5	
Batch B407418 - SW-846 9014											
Blank (B407418-BLK1)					Prepared: 06/16/25 Analyzed: 06/17/25						
Reactive Cyanide	ND	0.40	0.40	mg/Kg							
LCS (B407418-BS1)					Prepared: 06/16/25 Analyzed: 06/17/25						
Reactive Cyanide	9.3	0.40	0.40	mg/Kg	10.00		93.4	83.6-115			
Batch B407664 - SW-846 7.3											
Blank (B407664-BLK1)					Prepared & Analyzed: 06/18/25						
Reactive Sulfide	ND	2.0	2.0	mg/L							
LCS (B407664-BS1)					Prepared & Analyzed: 06/18/25						
Reactive Sulfide	10	2.0	2.0	mg/L	10.05		103	77.2-118			
Batch B408068 - SW-846 1030											
Blank (B408068-BLK1)					Prepared & Analyzed: 06/25/25						
Ignitability	Absent			present/absent							

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-03	Sample received after recommended holding time was exceeded.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 1030 in Soil	
Ignitability	NC,NY,NH,CT,ME,VA
SW-846 9045D in Soil	
pH	NY

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
NC	North Carolina Div. of Water Quality	652	12/31/2025
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	12/14/2025

25F-0823

Internal Transfer Chain of Custody

Pace

☐ Rush Multiplier____X
☐ Samples Pre-Logged into eCOC

State Of Origin: NC
Cert. Needed: [X] Yes ☐ No
Owner Received Date: 6/10/2025 Results Requested By: 6/24/2025

Workorder: 92801413 **Workorder Name:** TCLP Testing

Report To	Subcontract To
Stephanie Knott Pace Analytical Kernersville 1377 South Park Drive Kernersville, NC 27284 Phone 704-977-0981	Pace New England 39 Spruce St. East Longmeadow, MA 01028 Phone (413)525-2332

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	RCI	Requested Analysis	LAB USE ONLY
1	UC12-BRP-1-CAKE	PS	6/10/2025 06:45	92801413001	Solid	1	X		
2									
3									
4									
5									

Transfers	Released By	Date/Time	Received By	Date/Time
1	[illegible] Pace Hol	6/10 1800	[illegible] 38	6/11/25
2				
3				

Comments: 0955

Cooler Temperature on Receipt ____ °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

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LANGUAGE
United States

Pace	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Client: Pace

Project: TCLP testing

MCP/RCP Required: N/A

Deliverable Package Requirement: N/A

Location: TCLP Testing

PWSID# (When Applicable): N/A

Arrival Method:

Courier ☐ Fed Ex ☑ Walk In ☐ Other ☐ _____

Received By / Date / Time: Ryan 6/11/24 955

Back-Sheet By / Date / Time: LA 6/11/25 1213

Temperature Method: Gun # 6

WV samples: Yes (see note*) / (No) follow normal procedure)

Temp ✓ < 6° C Actual Temperature: 3.8

Rush Samples: Yes / (No) Notify: _____

Short Hold: Yes / (No) Notify: _____

	True	False
Received on Ice	☐	☐
Received in Cooler	☐	☐
Custody Seal: DATE ____ TIME ____	☐	☐
COC Relinquished	☐	☐
COC/Samples Labels Agree	☐	☐
All Samples in Good Condition	☐	☐
Samples Received within Holding Time	☐	☐
Is there enough Volume	☐	☐
Proper Media/Container Used	☐	☐
Splitting Samples Required	☐	☐
MS/MSD	☐	☐
Trip Blanks	☐	☐
Lab to Filters	☐	☐
COC Legible	☐	☐

COC Included: (Check all included)

Client ☐ Analysis ☐ Sampler Name ☐

Project ☐ IDs ☐ Collection Date/Time ☐

All Samples Proper pH: N/A ☐ ☐

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Qualtrax ID: 120836

Pace	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Sample																				
16oz Amb/Clear																				
8oz Amb/Clear																				
4oz Amb/Clear																				
2oz Amb/Clear																				
Unpreserved																				
HCL																				
Sulfuric																				
Sulfuric																				
Phosphoric																				
HCl																				
Unpreserved																				
Unpreserved																				
Sulfuric																				
Unpreserved																				
Sulfuric																				
Unpreserved																				
Trizma																				
Sulfuric																				
Nitric																				
NaOH																				
Ammonium Acetate																				
NaOH/Zinc																				
Unpreserved																				
HCl																				
MeOH																				
D.I. Water																				
BISulfate																				
Col/Bact																				
500 mL Amber unpres																				

Soils Jars	(Circle Amb/Clear)	
Ambers	1 Liter	
	250mL	
	100mL	
Plastics	1 Liter	
	500mL	
	250mL	
VOA Vials		
Other / Fill in		

UNIONCOUNTY
north carolina

Request for Proposals 2026-044

Aeration Tank Cleaning

ADDENDUM No. 3

ISSUE DATE: February 27, 2026

Responding Offerors on this project are hereby notified that this Addendum shall be made a part of the above named RFP document.

The following items add to, modify, and/or clarify the RFP documents and shall have the full force and effect of the original Documents. This Addendum shall be acknowledged by the Offeror in the RFP document.

Delete/Add/Replace Section

1. **Add: Additional Non mandatory site visit**

   A second A Non-Mandatory Pre-proposal and Site Visit Meeting: This is a non-mandatory meeting that will take place on **March 5, 2026 at 11:00 AM EST** at the Twelve Mile Creek WRF, 8299 Kensington Dr. Waxhaw NC 28173. Representatives from Union County Water will be on-hand to give a brief overview of the project and to answer questions. Attendance at this meeting is strongly encouraged.

   If you plan to walk out to the aeration basin, we ask that all attendees wear closed-toe shoes for safety.

Question/Answer Section

1. **Question:** Who is responsible for the replacement of damaged diffusers?

   Answer: The selected contractor will be responsible for the replacement or repair of any damaged diffusers as a result of the contractor's operations during the performance of the work.

   Prior to the start of cleaning activities, the County may add water and air to the basin to allow both the County and the selected contractor to document and verify the condition of the existing diffusers. This will establish the baseline condition of the equipment before work begins.

2. **Question:** Are there any filtrate limitations?

   Answer: Yes. Please refer to Section 4.1 of the RFP.

3. **Question:** Are there any dry bed availability of drying beds?

   Answer: No. Disposal of all removed materials is the responsibility of the selected contractor, in accordance with the RFP requirements.

End of Addendum No. 3

8 APPENDIX A – PRICE FORM

RFP 2026-044 Aeration Tank Cleaning
Submit with Proposal

Company Name Wind River Environmental, LLC

DESCRIPTION	MOBILIZATION	DEMOBILIZATION	PRICE PER WET TON	ESTIMATED VOLUME TO BE REMOVED (WET TONS)	ESTIMATED TOTAL PRICE
Refer to section 4. Scope of Services	$ 7,788	$ 10,335	$323.37	350	131,305 $

Note: The estimated volume to be removed and the estimated total price are provided for budgeting and comparison purposes only. Actual quantities will be determined during performance of the work. Evaluation of pricing will be based primarily on mobilization costs, demobilization costs, and the price per wet ton.