



Request for Proposals No. 2021-032 WRF Laboratory Services

Due Date: February 23, 2021
Time: 10:00 AM EST
Receipt Location: Union County Government Center
Procurement Department
500 N. Main Street, Suite 709
Monroe, NC 28112

Procurement Contact:

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Senior Procurement Specialist
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1 NOTICE OF ADVERTISEMENT

Union County, North Carolina Request for Proposals No. 2021-032 WRF Laboratory Services

Electronic proposals will be received by the Union County's Procurement Department at the Union County Government Center, 500 North Main Street, Monroe, NC 28112 until **10:00 AM EST on Tuesday, February 23, 2021**. Late submittals will not be accepted.

Union County through its Public Works Department, is soliciting proposals from qualified commercial laboratories for analytical laboratory services to perform testing of all raw and treated wastewater, receiving stream samples, and wastewater residual samples required by the various NPDES permits owned by Union County, as well as any process control or other project related laboratory testing on an as needed basis.

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 IPS website:
www.ips.state.nc.us (Bid by Departments, search County of Union).

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 **10:00 AM EST on Tuesday, February 23, 2021** 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.

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;
- Award to multiple vendors.

2.3 PROPOSAL QUESTIONS


Proposal questions will be due on or before **Monday, February 15, 2021 at 2:00 PM EST**. The primary purpose is to provide participating Offerors with the opportunity to ask questions, in writing, related to the RFP.

Submit questions by e-mail to **Vicky Watts** at vicky.watts@unioncountync.gov by the deadline shown above. The email should identify the proposal number and project title. All questions and answers may be posted as addenda on www.unioncountync.gov and www.ips.state.nc.us.

2.4 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 B - Addendum and Anti-Collusion form.

2.5 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 INTRODUCTION

Union County, through its Public Works Department, is soliciting proposals from qualified commercial laboratories for analytical laboratory services to perform testing of all raw and treated wastewater, receiving stream samples, and wastewater residual samples required by the various NPDES permits owned by Union County, as well as any process control or other project related laboratory testing on an as needed basis.

3.1 COUNTY

The County (estimated population 237,477) 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.

4 PROJECT SCOPE

4.1 OVERVIEW

The County maintains five (5) Water Reclamation Facilities with a combined total volume of 9.65MGD. The NPDES Permitted Facilities are:

- 12 Mile Creek WRF/ NC0085359 – 7.5MGD
- Crooked Creek WRF/ NC0069841 – 1.9MGD
- Grassy Branch WRF/ NC0085812 – 0.050MGD
- Old Sycamore WRF/ WQ0011928 – 0.150MGD
- Tallwood WRF/ NC0069523 – 0.050MGD

County sampling personnel shall collect, label, and package all samples in a cooler on wet ice and fill out a chain of custody for all samples in accordance with Local, State and Federal regulation. Sampling bottles shall be supplied by the selected Laboratory.

4.2 SAMPLING SUPPLIES AND METHOD

The Laboratory shall supply all sample bottles, all sample bottles must be new, pre preserved, clearly labeled with preservative type with a seal. Sample bottles, Sample containers and supplies shall be suitable for the sample matrix and analytical method.

The Laboratory shall provide sample bottles specific to each sampling location. Typical sample bottle orders shall include:

- Preservatives appropriate for the analyses being performed;
- Trip blanks, field blanks, and other required quality control samples;
- Chain of custody forms and sampling instructions;
- Custody seals.


The County will supply:

- Cooler
 - Cooler must be returned, by the selected laboratory, the next sampling day by the selected laboratory;
- Ice for samples;
- Sample labels.

The County's sampling personnel shall fill in the sample date and time, sample type, sample location, preservative and sampler name on each bottle label that is collected by the County sampling personnel.

The Laboratory shall deliver the pre-preserved sample bottles to the County as directed by the County's sampling personnel. Deliveries shall be made no later than 5 Business days after county personnel makes a bottle request in writing.

- Sample bottles pertaining to the 12 Mile Creek Water Reclamation Facility (WRF) shall be delivered to the office at the 12 Mile Creek WRF 8299 Kensington Drive, Waxhaw NC 28173 between the hours of 6:00 AM and 5:00 PM;
- Samples collected for the 12 Mile Creek WRF will be picked up from the office at the 12 Mile creek WRF located at 8299 Kensington Dr., Waxhaw NC 28173 by the selected laboratory daily Monday – Friday. Sample pick up times must be coordinated with the County's sampling personnel to ensure all hold times are met;
- The 12 Mile Creek WRF Effluent Temperature, DO, pH, Fecal, Priority pollutant sample's, low level mercury (influent and effluent), Creek above, Creek Below, and Creek Below 2 samples shall be collected at their respective sites by the selected laboratory in accordance with Local, State and Federal regulation. Effluent DO, pH, temperature, and Creek Above, Creek below and Creek below 2, DO and



Temperature samples must be analyzed in stream. The Effluent pH, temperature, DO and Creek Above, Creek Below and Creek Below 2 temperature and DO results must be recorded in the laboratory log book the day of collection.;

- Sample bottles pertaining to the Crooked Creek WRF, Grassy Branch WRF, Tallwood WRF, or Olde Sycamore WRF shall be delivered to the office at the Crooked Creek WRF 4015 Sardis Church Rd. Monroe NC 28110 between the hours of 7:00 AM and 2:30 PM;
- Samples collected for the Crooked Creek WRF, Grassy Branch WRF, Tallwood WRF and Olde Sycamore WRF will be picked up from the office at the Crooked Creek WRF located at 4015 Sardis Church Rd. Monroe NC 28110 by the selected laboratory daily Monday – Friday. Sample pick up times must be coordinated with the County's sampling personnel to ensure all hold times are met;
- The Crooked Creek WRF Effluent Temperature, DO, pH, Fecal, Priority pollutant sample's, low level mercury (influent and effluent), samples shall be collected at their respective sites by the selected laboratory in accordance with Local, State and Federal regulation. Effluent DO, pH, temperature, and samples must be analyzed in stream. The Effluent pH, temperature, DO results must be recorded in the laboratory log book the day of collection.

Accurate and complete analytical results shall be submitted to the County within 7 days unless otherwise requested by the County and agreed upon by the Laboratory. All analytical results shall be provided in Excel format to the County staff. Process control sampling results shall be available and searchable on the Laboratory's website in order to expedite use of the results in a timely manner. These electronic results shall be accessible to Union County personnel only, and protected by login requirements.

4.3 AVAILABILITY

Laboratory must guarantee weekend staff availability for emergency sampling.

4.4 SAMPLING PLAN

Facility sampling plans can be found in **Appendix E** of this document.

4.5 PRICING

Please provide unit cost for sampling and all associated requirements as outlined in **Appendix A – Price Forms**. Sampling quantities are approximate and may vary. Unit prices shall include all costs necessary to provide Union County with these services, including shipping service. Emergency sampling, weekend sampling, and both upstream and downstream sampling services shall be priced in a separate column. Please provide separate pricing for expedited and/or emergency sampling and analysis services.



4.6 REPORTING

Non-compliant sample results should be reported to Union County immediately upon discovery, by telephone and email, to the Waste Water Treatment Plant Supervisor in charge of the WRF with the non-compliant result.

4.7 NON-SATISFACTORY RESULTS

Non-satisfactory results due to a failure of testing equipment, media, etc., or error by Laboratory staff shall be re-tested at no cost to Union County. In addition all samples must be analyzed by a laboratory that is certified by the State of North Carolina for the requested test. If the selected laboratory is not certified in the State of North Carolina for a specific parameter that is requested by the County sampling staff the laboratory must inform the County sampling staff immediately. It is permissible to subcontract samples to another laboratory that holds the proper certification for that parameter in the State of North Carolina.

5 DETAILED SUBMITTAL REQUIREMENTS AND INSTRUCTIONS

5.1 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 proposer is required to submit the proposal electronically – Refer to page 4, 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 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 firm agrees to all applicable provisions, terms and conditions associated with this RFP. This solicitation, the successful bidder'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** – References
- **Section D** – Price Forms
 - Appendix A – Price Forms
 - 12 Mile Creek WRF Price Form
 - Crooked Creek WRF Price Form
 - Grassy Branch WRF Price Form
 - Olde Sycamore WRF Price Form
 - Tallwood WRF Price Form
- **Section E** – Required Forms
 - Appendix B – Proposal Submission Form (signed)
 - Appendix C – Addenda Receipt and Anti-Collusion (signed)

5.1.1 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. The cover letter may be a maximum of three (3) pages.

1. Legal Company Name and DBA (if applicable)
Address
Telephone Number
Website Address
2. Name of Single Point of Contact
Title
Telephone Number
Email Address
3. Name of Person with Binding Authority
Title
Address
Telephone Number
Email Address
4. Stipulate that the proposal price will be valid for a period of 180 days.
5. 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.”



5.1.2 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 and structure and services offered.
- Assets available to meet County service requirements.
- What is the bidder's service commitment to customers?
- Is the bidder's organization involved in any pending litigation that may affect its ability to provide its products and services?
- Include brief resumes of Supervisory Staff and higher that will be associated with the project.
- Include copies of Supervisory Staff certifications and/or licenses.
- All samples must be analyzed by a laboratory certified in the state of North Carolina for the specific test that is requested.

5.1.3 SECTION C – REFERENCES

Provide references for five (5) related to the WRF analysis activity serviced by your company. Include the following:

- Company Name
- Contact Name and Title
- Address
- Phone Number
- Email Address

5.1.4 SECTION D – PRICE FORMS

Complete Appendix A.

- 12 Mile Creek WRF Price Form
- Crooked Creek WRF Price Form
- Grassy Branch WRF Price Form
- Olde Sycamore WRF Price Form
- Tallwood WRF Price Form

5.1.5 SECTION E – 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 respondents.
4. At its sole discretion, the Owner may ask written questions of Offerors, seek written clarification, and conduct discussions with Offerors on the RFPs.
5. 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 EVALUATION SELECTION PROCESS

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

In the evaluation and scoring/ranking of Offerors, the Owner 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% |
| Price/Rate Schedule | 30% |
| Company Staff Experience | 20% |
| 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 Owner may or may not decide to invite Short-Listed firms 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 and Staff | 65% |
| Price, Quality and Relevance of Interview as it Relates to the Scope of the RFP | 35% |

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.

6.3 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 that 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, firm, 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 firm. However, negotiations with the top ranked firm 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.



6.4 CONFLICT CERTIFICATION

The firm 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

The contract award may have an initial term of two (2) years with a three (3) one-year renewal option at the County's discretion, pending annual budget approval.

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 Firms 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 (MBE) OR DISADVANTAGED BUSINESSES (DBE)

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 Firm(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/Firm shall ensure that Firm and any Subcontractor 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 Firm agrees to provide a drug-free workplace for his 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 firm that the Firm 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 Contractor/Firm 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

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: Keith A. Richards, 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.

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8 APPENDIX A – PRICE FORM

RFP 2021-032 WRF Laboratory Services

Offerors must complete and submit Appendix A in its entirety. Totals from each price form, 8.1 – 8.5, must be entered on the Total Summary as follows:

| Price Form Name | "A" - Total Routine Cost per Sampling | "B" - Total Emergency/Weekend Sampling Up & Down-Stream |
|-------------------------|--|--|
| 8.1 - 12 Mile Creek WRF | | |
| 8.2 - Crooked Creek WRF | | |
| 8.3 - Grassy Branch WRF | | |
| 8.4 - Olde Sycamore WRF | | |
| 8.5 - Tallwood WRF | | |
| Summary Total: | | |

“A” Summary Total + “B” Summary Total = Grand Total \$ _____

Name of Company Submitting: _____

8.1 12 MILE CREEK WRF PRICE FORM

| Sample Code | Season | DESCR | Analyses | Monitoring Frequency | # Samples /year | Collected By | Sample Type | Routine Cost per Sampling | Emg./ Weekend Sampling Up & Down-Stream |
|------------------|--------|--------------------------|--------------------------------------|----------------------|-----------------|--------------|-------------|---------------------------|---|
| UC12- INF | | Influent | BOD | Daily | 260 | Operator | Q-Comp | | |
| | | | TSS | Daily | 260 | Operator | Q-Comp | | |
| | | | NH3-N | Daily | 260 | Operator | Q-Comp | | |
| | | | COD | Weekly | 52 | Operator | Q-Comp | | |
| | | | TKN | Weekly | 52 | Operator | Q-Comp | | |
| | | | NOx | Weekly | 52 | Operator | Q-Comp | | |
| | | | TP | Weekly | 52 | Operator | Q-Comp | | |
| | | | Alkalinity | Weekly | 52 | Operator | Q-Comp | | |
| | | | Metals (includes Mercury in mg/L) | Monthly | 12 | Operator | Q-Comp | | |
| | | | HEM (Oil&grease) | Monthly | 12 | Operator | Q-Comp | | |
| | | | Cyanide | Quarterly | 4 | Operator | Q-Comp | | |
| | | | LL HG | Quarterly | 4 | Lab | Grab | | |
| | | | Organics | Semi-Annual | 2 | Operator | Q-Comp | | |
| | | | Pesticides | Semi-Annual | 2 | Operator | Q-Comp | | |
| | | | Chloride | Semi-Annual | 2 | Operator | Q-Comp | | |
| UC12- INFDIST | | Influent Distribution | Ammonia | Weekly | 52 | Operator | Grab | | |
| | | | BOD | Weekly | 52 | Operator | Grab | | |
| | | | TSS | Weekly | 52 | Operator | Grab | | |
| | | | COD | Monthly | 12 | Operator | Grab | | |
| | | | TKN | Monthly | 12 | Operator | Grab | | |
| | | | NOx | Monthly | 12 | Operator | Grab | | |
| | | | TP | Monthly | 12 | Operator | Grab | | |



| | | | | | | | | |
|----------|-----------------|-----------------------------------|-------------|-----|----------|--------|--|--|
| | | Metals (includes Mercury in mg/L) | Semi-Annual | 2 | Operator | Grab | | |
| | | Cyanide | Semi-Annual | 2 | Operator | Grab | | |
| | | Organics | Semi-Annual | 2 | Operator | Grab | | |
| | | Pesticides | Semi-Annual | 2 | Operator | Grab | | |
| UC12-FCE | Filter Influent | BOD | Weekly | 52 | Operator | Q-Comp | | |
| | | TSS | Weekly | 52 | Operator | Q-Comp | | |
| | | NH3-N | Weekly | 52 | Operator | Q-Comp | | |
| | | TKN | Monthly | 12 | Operator | Q-Comp | | |
| | | NOx | Monthly | 12 | Operator | Q-Comp | | |
| | | TP | Monthly | 12 | Operator | Q-Comp | | |
| | | COD | Monthly | 12 | Operator | Q-Comp | | |
| | | Metals (includes Mercury in mg/L) | Monthly | 12 | Operator | Q-Comp | | |
| | | Cyanide | Monthly | 12 | Operator | Q-Comp | | |
| UC12-EFF | Effluent | Temp | Daily | 260 | Lab | Grab | | |
| | | DO | Daily | 260 | Lab | Grab | | |
| | | pH | Daily | 260 | Lab | Grab | | |
| | | Fecal | Daily | 260 | Lab | Grab | | |
| | | BOD | Daily | 260 | Operator | Q-Comp | | |
| | | TSS | Daily | 260 | Operator | Q-Comp | | |
| | | NH3-N | Daily | 260 | Operator | Q-Comp | | |
| | | Alkalinity | Weekly | 52 | Operator | Q-Comp | | |
| | | COD | Weekly | 52 | Operator | Q-Comp | | |
| | | TKN | Weekly | 52 | Operator | Q-Comp | | |
| | | NOx | Weekly | 52 | Operator | Q-Comp | | |
| | | TP | Weekly | 52 | Operator | Q-Comp | | |
| | | Metals (includes Mercury in mg/L) | Monthly | 12 | Operator | Q-Comp | | |
| | | Hardness | Monthly | 12 | Operator | Grab | | |
| | | HEM (Oil&grease) | Monthly | 12 | Operator | Q-Comp | | |
| | | Cyanide | Quarterly | 4 | Operator | Q-Comp | | |



| | | | | | | | | |
|-------------------|----------------------------------|---------------------------------------|-------------|----|----------|-----------------|--|--|
| | | LL HG | Quarterly | 4 | Operator | Q-Comp | | |
| | | Toxicity | Quarterly | 4 | Operator | Q-Comp | | |
| | | 2nd Species Toxicity | Annually | 1 | Operator | Q-Comp | | |
| | | Organics | Semi-Annual | 2 | Operator | Q-Comp | | |
| | | Pesticides | Semi-Annual | 2 | Operator | Q-Comp | | |
| | | Chloride | Semi-Annual | 2 | Operator | Q-Comp | | |
| | | Total Petroleum Hydrocarbon (SGT-HEM) | Semi-Annual | 2 | Operator | Q-Comp | | |
| | | PPA | Annually | 1 | Lab | Grab/ Q-Comp | | |
| UC12- WAS | Waste Activated Sludge | TS | Weekly | 52 | Operator | Grab | | |
| | | TVS | Weekly | 52 | Operator | Grab | | |
| | | Metals (includes Mercury in mg/L) | Monthly | 12 | Operator | Grab | | |
| | | Cyanide | Monthly | 12 | Operator | Grab | | |
| | | TP | Monthly | 12 | Operator | Grab | | |
| | | TKN | Monthly | 12 | Operator | Grab | | |
| | | NOX | Monthly | 12 | Operator | Grab | | |
| UC12- TWAS | Thickened Waste Activated Sludge | TS | Weekly | 52 | Operator | H-Comp | | |
| | | TVS | Weekly | 52 | Operator | H-Comp | | |
| | | TKN | Monthly | 12 | Operator | H-Comp | | |
| | | TP | Monthly | 12 | Operator | H-Comp | | |
| | | Metals (including Mercury in mg/L) | Monthly | 12 | Operator | H-Comp | | |
| | | Cyanide | Monthly | 12 | Operator | H-Comp | | |
| | | NOX | Monthly | 12 | Operator | H-Comp | | |
| UC12- FILT_GBT | GBT Filtrate | BOD | Weekly | 52 | Operator | H-Comp | | |
| | | TSS | Weekly | 52 | Operator | H-Comp | | |
| | | NH3-N | Weekly | 52 | Operator | H-Comp | | |



| | | | | | | | | |
|-------------------|-------------------------------|---|-----------------|---------|----------|--------|----------|------|
| | | COD | Monthly | 12 | Operator | H-Comp | | |
| | | TKN | Monthly | 12 | Operator | H-Comp | | |
| | | NOx | Monthly | 12 | Operator | H-Comp | | |
| | | TP | Monthly | 12 | Operator | H-Comp | | |
| | | Metals (including Mercury in mg/L) | Monthly | 12 | Operator | H-Comp | | |
| | | Cyanide | Monthly | 12 | Operator | H-Comp | | |
| UC12- Filt_BFP | BFP Filtrate | BOD | Weekly | 52 | Operator | H-Comp | | |
| | | TSS | Weekly | 52 | Operator | H-Comp | | |
| | | NH3-N | Weekly | 52 | Operator | H-Comp | | |
| | | COD | Monthly | 12 | Operator | H-Comp | | |
| | | TKN | Monthly | 12 | Operator | H-Comp | | |
| | | NOx | Monthly | 12 | Operator | H-Comp | | |
| | | TP | Monthly | 12 | Operator | H-Comp | | |
| | | Metals (including Mercury in mg/L) | Monthly | 12 | Operator | H-Comp | | |
| | | Cyanide | Monthly | 12 | Operator | H-Comp | | |
| UC12- RAS | Return Activated Sludge | TSS | Weekly | 52 | Operator | Grab | | |
| | | TVSS | Weekly | 52 | Operator | Grab | | |
| | | TP | Weekly | 52 | Operator | Grab | | |
| | | COD | Weekly | 52 | Operator | Grab | | |
| | | Ammonia | Weekly | 52 | Operator | Grab | | |
| | | Metals (including Mercury in mg/L) | Monthly | 12 | Operator | Grab | | |
| | | | | Cyanide | Monthly | 12 | Operator | Grab |
| UC12- MLSS | Mixed Liquor | TSS | Daily | 260 | Operator | Grab | | |
| | | TVSS | Weekly | 104 | Operator | Grab | | |
| | | Metals (including Mercury in mg/L) | Monthly | 12 | Operator | Grab | | |
| | | Cyanide | Monthly | 12 | Operator | Grab | | |
| | | Ammonia | Semi- Annual | 2 | Operator | Grab | | |



| | | | | | | | | |
|----------------------|-------------------------------------|---|-------------|-----|----------|------|--|--|
| | | NOX | Semi-Annual | 2 | Operator | Grab | | |
| | | TKN | Semi-Annual | 2 | Operator | Grab | | |
| | | TP | Semi-Annual | 2 | Operator | Grab | | |
| | | Organics | Semi-Annual | 2 | Operator | Grab | | |
| | | Pesticides | Semi-Annual | 2 | Operator | Grab | | |
| UC12- Aeration | Aeration EFF (2 locations) | TSS | Semi-Annual | 4 | Operator | Grab | | |
| | | TVSS | Semi-Annual | 4 | Operator | Grab | | |
| | | Metals (including Mercury in mg/L) | Semi-Annual | 4 | Operator | Grab | | |
| | | Cyanide | Semi-Annual | 4 | Operator | Grab | | |
| UC12- DIG | Digester (4 digesters total) | TS | Weekly | 208 | Operator | Grab | | |
| | | TVSS | Weekly | 208 | Operator | Grab | | |
| | | TKN | Monthly | 48 | Operator | Grab | | |
| | | NOx | Monthly | 48 | Operator | Grab | | |
| | | TP | Monthly | 48 | Operator | Grab | | |
| | | Metals (including Mercury in mg/L) | Monthly | 48 | Operator | Grab | | |
| | | Cyanide | Monthly | 48 | Operator | Grab | | |
| UC12- BFP CAKE | Belt Filter Press Cake Solids | TS | Weekly | 52 | Operator | Grab | | |
| | | TVS | Weekly | 52 | Operator | Grab | | |
| | | Metals (includes Mercury in mg/l) | Monthly | 12 | Operator | Grab | | |
| | | Cyanide | Monthly | 12 | Operator | Grab | | |
| | | TP | Monthly | 12 | Operator | Grab | | |
| | | TKN | Monthly | 12 | Operator | Grab | | |
| | | NOx | Monthly | 12 | Operator | Grab | | |
| | | | | | | | | |



STREAM MONITORING

| Winter | | Oct-June | | | | | |
|---------------|------|-------------|-----|-----|------|--|--|
| UC12CA | Temp | Weekly | 104 | Lab | Grab | | |
| UC12CB | DO | Weekly | 104 | Lab | Grab | | |
| UC12CB2 | TKN | Monthly | 24 | Lab | Grab | | |
| | NOx | Monthly | 24 | Lab | Grab | | |
| | TP | Monthly | 24 | Lab | Grab | | |
| | HARD | Monthly | 24 | Lab | Grab | | |
| Summer | | July-Sept | | | | | |
| UC12CA | Temp | 3x per week | 52 | Lab | Grab | | |
| UC12CB | DO | 3x per week | 52 | Lab | Grab | | |
| UC12CB2 | TKN | Monthly | 12 | Lab | Grab | | |
| | NOx | Monthly | 12 | Lab | Grab | | |
| | TP | Monthly | 12 | Lab | Grab | | |
| | HARD | Monthly | 12 | Lab | Grab | | |
| Total: | | | | | | | |

End 12 Mile Creek WRF Price Form

Name of Company Submitting: _____

8.2 CROOKED CREEK WRF PRICE FORM

| Sample Code | Season | DESCR | Analyses | Monitoring Frequency | # Samples /year | Collected By | Sample Type | Routine Cost per Sampling | Emerg/ Weekend Sampling Up & Down-Stream |
|-------------|--------|----------|------------|----------------------|-----------------|--------------|-------------|---------------------------|--|
| UCCC-INF | | Influent | BOD | 3 X WEEK | 156 | Operator | Q-Comp | | |
| | | | TSS | 3 X WEEK | 156 | Operator | Q-Comp | | |
| | | | NH3-N | 3 X WEEK | 156 | Operator | Q-Comp | | |
| | | | COD | MONTHLY | 12 | Operator | Q-Comp | | |
| | | | TKN | MONTHLY | 12 | Operator | Q-Comp | | |
| | | | NOx | MONTHLY | 12 | Operator | Q-Comp | | |
| | | | TP | MONTHLY | 12 | Operator | Q-Comp | | |
| | | | Copper | MONTHLY | 12 | Operator | Q-Comp | | |
| | | | Zinc | MONTHLY | 12 | Operator | Q-Comp | | |
| | | | OIL&GREASE | MONTHLY | 12 | Operator | Q-Comp | | |
| | | | ALKINITY | MONTHLY | 12 | Operator | Q-Comp | | |
| UCCC-FCE | | | TSS | Weekly | 52 | Operator | Q-Comp | | |
| | | | NH3-N | Weekly | 52 | Operator | Q-Comp | | |
| | | | TKN | Monthly | 12 | Operator | Q-Comp | | |
| | | | NOx | Monthly | 12 | Operator | Q-Comp | | |
| | | | TP | Monthly | 12 | Operator | Q-Comp | | |
| | | | BOD | WEEKLY | 52 | Operator | Q-Comp | | |
| UCCC-EFF | | Effluent | DO | Daily | 208 | Lab | Grab | | |



| | | | | | | | | |
|----------|-------------------------|----------|-----------|-----|----------|--------------|--|--|
| | | pH | Daily | 208 | Lab | Grab | | |
| | | Fecal | Daily | 156 | Lab | Grab | | |
| | | BOD | Daily | 156 | Operator | Q-Comp | | |
| | | TSS | Daily | 156 | Operator | Q-Comp | | |
| | | NH3-N | Daily | 156 | Operator | Q-Comp | | |
| | | COD | MONTHLY | 12 | Operator | Q-Comp | | |
| | | TKN | MONTHLY | 12 | Operator | Q-Comp | | |
| | | NOx | MONTHLY | 12 | Operator | Q-Comp | | |
| | | TP | MONTHLY | 12 | Operator | Q-Comp | | |
| | | Copper | MONTHLY | 12 | Operator | Q-Comp | | |
| | | Zinc | MONTHLY | 12 | Operator | Q-Comp | | |
| | | Silver | MONTHLY | 12 | Operator | Q-Comp | | |
| | | TEMP | Daily | 208 | Lab | Grab | | |
| | | HARD | Monthly | 12 | Operator | Q-Comp | | |
| | | Toxicity | Quarterly | 4 | Operator | Q-Comp | | |
| | | Toxicity | Annually | 1 | Operator | Q-Comp | | |
| | | PPA | Annually | 1 | Lab | Grab/ Q-Comp | | |
| UCCC-RAS | Return Activated Sludge | TSS | Weekly | 52 | Operator | Grab | | |
| | | TVSS | Weekly | 52 | Operator | Grab | | |
| | | Metals | Monthly | 12 | Operator | Grab | | |
| | | Hg | Monthly | 12 | Operator | Grab | | |



| | | | | | | | | |
|---------------|--------------|--------|---------|----|----------|--------|--|--|
| UCCC-MLSS | Mixed Liquor | TSS | Weekly | 52 | Operator | Grab | | |
| | | TVSS | Weekly | 52 | Operator | Grab | | |
| | | Metals | Monthly | 12 | Operator | Grab | | |
| | | Hg | Monthly | 12 | Operator | Grab | | |
| UCCC-DIG | Digester | TSS | Weekly | 52 | Operator | Grab | | |
| | | TVSS | Weekly | 52 | Operator | Grab | | |
| | | TKN | Monthly | 12 | Operator | Grab | | |
| | | NOx | Monthly | 12 | Operator | Grab | | |
| | | TP | Monthly | 12 | Operator | Grab | | |
| | | Metals | Monthly | 12 | Operator | Grab | | |
| | | Hg | Monthly | 12 | Operator | Grab | | |
| UCCC-DECANT | Digester | TSS | Monthly | 12 | Operator | Q-Comp | | |
| | | NH3-N | Monthly | 12 | Operator | Q-Comp | | |
| | | TKN | Monthly | 12 | Operator | Q-Comp | | |
| | | NOx | Monthly | 12 | Operator | Q-Comp | | |
| | | TP | Monthly | 12 | Operator | Q-Comp | | |
| | | BOD | Monthly | 12 | Operator | Q-Comp | | |
| | | Metals | Monthly | 12 | Operator | Q-Comp | | |
| | | Hg | Monthly | 12 | Operator | Q-Comp | | |
| Total: | | | | | | | | |

End Crooked Creek WRF Price Form

Name of Company Submitting: _____

8.3 GRASSY BRANCH WRF PRICE FORM

| Sample Code | Season | DESCR | Analyses | Monitoring Frequency | No. Samples /year | Collected By | Sample Type | Routine Cost per Sampling | Emerg/ Weekend Sampling Up & Down-Stream |
|-------------|--------|--------------------------------|------------|----------------------|-------------------|--------------|-------------|---------------------------|--|
| UCGB-INF | | Influent | BOD | Weekly | 52 | Operator | Q-Comp | | |
| | | | TSS | Weekly | 52 | Operator | Q-Comp | | |
| | | | NH3-N | Weekly | 52 | Operator | Q-Comp | | |
| | | | COD | Monthly | 12 | Operator | Q-Comp | | |
| | | | ALKALINITY | Weekly | 52 | Operator | Q-Comp | | |
| UCGB-EFF | | Effluent | Fecal | Weekly | 52 | Operator | Grab | | |
| | | | BOD | Weekly | 52 | Operator | Q-Comp | | |
| | | | TSS | Weekly | 52 | Operator | Q-Comp | | |
| | | | NH3-N | Weekly | 52 | Operator | Q-Comp | | |
| | | | COD | Monthly | 12 | Operator | Q-Comp | | |
| UCGB-RAS#1 | | Return Activated Sludge AB # 1 | TSS | Weekly | 52 | Operator | Grab | | |
| | | | TVSS | Weekly | 52 | Operator | Grab | | |
| | | | Metals | Monthly | 12 | Operator | Grab | | |
| | | | Hg | Monthly | 12 | Operator | Grab | | |
| UCGB-RAS#2 | | Return Activated Sludge AB # 2 | TSS | Weekly | 52 | Operator | Grab | | |
| | | | TVSS | Weekly | 52 | Operator | Grab | | |
| | | | Metals | Monthly | 12 | Operator | Grab | | |



| | | | | | | | | |
|---------------|--------------|--------|---------|----|----------|------|--|--|
| | | Hg | Monthly | 12 | Operator | Grab | | |
| UCGB-MLSS#1 | Mixed Liquor | TSS | Weekly | 52 | Operator | Grab | | |
| | | TVSS | Weekly | 52 | Operator | Grab | | |
| | AB # 1 | Metals | Monthly | 12 | Operator | Grab | | |
| | | Hg | Monthly | 12 | Operator | Grab | | |
| | | | | | | | | |
| UCGB-MLSS#2 | Mixed Liquor | TSS | Weekly | 52 | Operator | Grab | | |
| | | TVSS | Weekly | 52 | Operator | Grab | | |
| | AB # 2 | Metals | Monthly | 12 | Operator | Grab | | |
| | | Hg | Monthly | 12 | Operator | Grab | | |
| | | | | | | | | |
| Total: | | | | | | | | |

End Grassy Branch WRF Price Form

Name of Company Submitting: _____

8.4 OLDE SYCAMORE WRF PRICE FORM

| Sample Code | Season | DESCR | Analyses | Monitoring Frequency | No. Samples /year | Collected By | Sample Type | Routine Cost per Sampling | Emerg/ Weekend Sampling Up & Down-Stream |
|-------------|--------|----------|----------|----------------------|-------------------|--------------|-------------|---------------------------|--|
| UCOS-INF | | Influent | BOD | 2 X MONTH | 104 | Operator | Q-Comp | | |
| | | | TSS | 2 X MONTH | 104 | Operator | Q-Comp | | |
| | | | NH3-N | 2 X MONTH | 104 | Operator | Q-Comp | | |
| | | | COD | MONTHLY | 52 | Operator | Q-Comp | | |
| | | | TKN | 2 X MONTH | 104 | Operator | Q-Comp | | |
| | | | NOx | 2 X MONTH | 104 | Operator | Q-Comp | | |
| | | | TP | 2 X MONTH | 104 | Operator | Q-Comp | | |
| | | | NITRATE | 2 X MONTH | 104 | Operator | Q-Comp | | |
| UCOS-EFF | | Effluent | Fecal | 2 X MONTH | 104 | Operator | Grab | | |
| | | | BOD | 2 X MONTH | 104 | Operator | Q-Comp | | |
| | | | TSS | 2 X MONTH | 104 | Operator | Q-Comp | | |
| | | | NH3-N | 2 X MONTH | 104 | Operator | Q-Comp | | |
| | | | COD | MONTHLY | 12 | Operator | Q-Comp | | |
| | | | TKN | 2 X MONTH | 104 | Operator | Q-Comp | | |
| | | | NOx | 2 X MONTH | 104 | Operator | Q-Comp | | |
| | | | TP | 2 X MONTH | 104 | Operator | Q-Comp | | |
| | | | NITRATE | 2 X MONTH | 104 | Operator | Q-Comp | | |



| | | | | | | | | |
|---------------|-------------------------------|--------|--------------|-----|----------|------|--|--|
| UCOS-RAS | Return Activated Sludge | TSS | 2 X MONTH | 104 | Operator | Grab | | |
| | | TVSS | 2 X MONTH | 104 | Operator | Grab | | |
| | | Metals | Monthly | 12 | Operator | Grab | | |
| | | Hg | Monthly | 12 | Operator | Grab | | |
| UCOS-MLSS | Mixed Liquor | TSS | 2 X MONTH | 104 | Operator | Grab | | |
| | | TVSS | 2 X MONTH | 104 | Operator | Grab | | |
| | | Metals | Monthly | 12 | Operator | Grab | | |
| | | Hg | Monthly | 12 | Operator | Grab | | |
| Total: | | | | | | | | |

End Olde Sycamore WRF Price Form

Name of Company submitting: _____

8.5 TALLWOOD WRF PRICE FORM

| Sample Code | Season | DESCR | Analyses | Monitoring Frequency | No. Samples /year | Collected By | Sample Type | Routine Cost per Sampling | Emerg/ Weekend Sampling Up & Down-Stream |
|-------------|--------|------------------|------------|----------------------|-------------------|--------------|-------------|---------------------------|--|
| UCTW-INF | | Influent | BOD | Weekly | 52 | Operator | Q-Comp | | |
| | | | TSS | Weekly | 52 | Operator | Q-Comp | | |
| | | | NH3-N | Weekly | 52 | Operator | Q-Comp | | |
| | | | COD | Weekly | 52 | Operator | Q-Comp | | |
| | | | TKN | Quarterly | 52 | Operator | Q-Comp | | |
| | | | NOx | Quarterly | 52 | Operator | Q-Comp | | |
| | | | TP | Quarterly | 52 | Operator | Q-Comp | | |
| | | | Alkalinity | Weekly | 52 | Operator | Q-Comp | | |
| UCTW-EFF | | Effluent | Fecal | Weekly | 52 | Operator | Grab | | |
| | | | BOD | Weekly | 52 | Operator | Q-Comp | | |
| | | | TSS | Weekly | 52 | Operator | Q-Comp | | |
| | | | NH3-N | Weekly | 52 | Operator | Q-Comp | | |
| | | | COD | Weekly | 52 | Operator | Q-Comp | | |
| | | | TKN | Quarterly | 4 | Operator | Q-Comp | | |
| | | | NOx | Quarterly | 4 | Operator | Q-Comp | | |
| | | | TP | Quarterly | 4 | Operator | Q-Comp | | |
| | | | Alkalinity | Weekly | 52 | Operator | Q-Comp | | |
| UCTW-RAS | | Return Activated | TSS | Weekly | 52 | Operator | Grab | | |



| | | | | | | | | |
|---------------|--------------|--------|---------|----|----------|------|--|--|
| | Sludge | TVSS | Weekly | 52 | Operator | Grab | | |
| | | Metals | Monthly | 12 | Operator | Grab | | |
| | | Hg | Monthly | 12 | Operator | Grab | | |
| UCTW-MLSS | Mixed Liquor | TSS | Weekly | 52 | Operator | Grab | | |
| | | TVSS | Weekly | 52 | Operator | Grab | | |
| | | Metals | Monthly | 12 | Operator | Grab | | |
| | | Hg | Monthly | 12 | Operator | Grab | | |
| Total: | | | | | | | | |

End Tallwood WRF Price Form

Name of Company Submitting: _____



9 APPENDIX B - PROPOSAL SUBMISSION FORM

RFP 2021-032 WRF Laboratory Services

This Proposal is submitted by:

Company Legal Name: _____

Representative Name: _____

Representative Signature: _____

Representative Title: _____

Address: _____

City/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: _____

Signature: _____

Date: _____

10 APPENDIX C – ADDENDUM AND ANTI-COLLUSION
RFP 2021-032 WRF Laboratory Services

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 www.co.union.nc.us and/or www.ips.state.nc.us. 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 – SAMPLE VENDOR PAYMENT NOTIFICATION
RFP 2021-032 WRF Laboratory Services

Informational Purposes Only - Do not submit with proposal.

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.

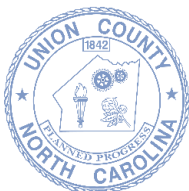
The second method is an Electronic Funds Transfer. (EFT) This means that you will receive payment of invoices due directly into your bank account. With this method, you will get an email confirmation giving you the date, invoice numbers, and total amount paid. Your payment will be available to you on 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 Alex Whitaker at 704-283-3538 or Christi Climbingbear at 704-283-3543, or send an email to alex.whitaker@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.



Please return this completed form and supporting documents to:



Union County -Finance Office
Suite 714, 7th Floor, 500 N. Main Street, Monroe NC 28112

Phone: (704) 283-3886 Fax: (704) 225-0664

Email: ap@unioncountync.gov

Authorization for payment via Electronic Funds Transfer (EFT)

Initial Enrollment

Change Information

Today's Date _____

Company Name _____

Street Address _____

City, State, Zip _____

By signing below, I hereby authorize Union County to electronically deposit funds into the account indicated below. I understand that if my banking information changes and Union County is not made aware of this change, then payment may be delayed.

Bank Name _____

Address _____

City, State, Zip _____

Routing/ABA # _____ Bank Acct No. _____

Payment Notification: I hereby authorize the following individual to receive an email notification of payment details for all funds deposited to the above account by Union County.

Name & Title _____

Email Address _____

Phone Number _____

Officer Name & Title _____

Phone Number _____

Signature: _____

FOR ACCOUNT VERIFICATION, PLEASE ATTACH A VOIDED CHECK.

This authorization will remain in effect until Union County has received written notice to discontinue.

Print Form



12 APPENDIX E – FACILITY SAMPLING PLANS

RFP 2021-032 WRF Laboratory Services

Lab Sampling Plan
12-Mile Creek

| Sample Code | Season | Description | Analyses | Monitoring Frequency | # Samples /year | Collected By | Sample Type | Requested TAT (Days) | Reporting Limit | NPDES Permit Limit |
|--------------|--------|---------------------------------------|-----------------------------------|----------------------|-----------------|--------------|-------------|----------------------|-----------------|--------------------|
| UC12-INF | | Influent | BOD | Daily | 260 | Operator | Q-Comp | 7 | 2.00 mg/L | |
| | | | TSS | Daily | 260 | Operator | Q-Comp | 2 | 2.50 mg/L | |
| | | | NH3-N | Daily | 260 | Operator | Q-Comp | 2 | 0.10 mg/L | |
| | | | COD | Weekly | 52 | Operator | Q-Comp | 7 | 10.00 mg/L | |
| | | | TKN | Weekly | 52 | Operator | Q-Comp | 7 | 0.05 mg/L | |
| | | | NOx | Weekly | 52 | Operator | Q-Comp | 7 | 0.25 mg/L | |
| | | | TP | Weekly | 52 | Operator | Q-Comp | 7 | 0.10 mg/L | |
| | | | Alkalinity | Weekly | 52 | Operator | Q-Comp | 7 | | |
| | | | Metals (includes Mercury in mg/L) | Monthly | 12 | Operator | Q-Comp | 7 | | |
| | | | HEM (Oil&grease) | Monthly | 12 | Operator | Q-Comp | 7 | | |
| | | | Cyanide | Quarterly | 4 | Operator | Q-Comp | 7 | | |
| | | | LL HG | Quarterly | 4 | Lab | Grab | 7 | | |
| | | | Organics | Semi-Annual | 2 | Operator | Q-Comp | 7 | | |
| | | | Pesticides | Semi-Annual | 2 | Operator | Q-Comp | 7 | | |
| | | | Chloride | Semi-Annual | 2 | Operator | Q-Comp | 7 | | |
| | | Total Petroleum Hydrocarbon (SGT-HEM) | Semi-Annual | 2 | Operator | Grab | 7 | | | |
| UC12-INFDIST | | Influent Distribution | Ammonia | Weekly | 52 | Operator | Grab | 2 | | |
| | | | BOD | Weekly | 52 | Operator | Grab | 7 | | |
| | | | TSS | Weekly | 52 | Operator | Grab | 2 | | |
| | | | COD | Monthly | 12 | Operator | Grab | 7 | | |
| | | | TKN | Monthly | 12 | Operator | Grab | 7 | | |
| | | | NOx | Monthly | 12 | Operator | Grab | 7 | | |
| | | | TP | Monthly | 12 | Operator | Grab | 7 | | |
| | | | Metals (includes Mercury in mg/L) | Semi-Annual | 2 | Operator | Grab | 7 | | |
| | | | Cyanide | Semi-Annual | 2 | Operator | Grab | 7 | | |
| | | | Organics | Semi-Annual | 2 | Operator | Grab | 7 | | |
| | | | Pesticides | Semi-Annual | 2 | Operator | Grab | 7 | | |
| | | | | | | | | | | |
| UC12-FCE | | Filter Influent | BOD | Weekly | 52 | Operator | Q-Comp | 7 | | |
| | | | TSS | Weekly | 52 | Operator | Q-Comp | 2 | | |
| | | | NH3-N | Weekly | 52 | Operator | Q-Comp | 2 | | |
| | | | TKN | Monthly | 12 | Operator | Q-Comp | 7 | | |
| | | | NOx | Monthly | 12 | Operator | Q-Comp | 7 | | |
| | | | TP | Monthly | 12 | Operator | Q-Comp | 2 | | |

| | | | | | | | | | |
|-----------|----------------------------------|---------------------------------------|-------------|-----|----------|--------------|----|-------------|-------------------|
| | | COD | Monthly | 12 | Operator | Q-Comp | 7 | | |
| | | Metals (includes Mercury in mg/L) | Monthly | 12 | Operator | Q-Comp | 7 | | |
| | | Cyanide | Monthly | 12 | Operator | Q-Comp | 7 | | |
| UC12-EFF | Effluent | Temp | Daily | 260 | Lab | Grab | 1 | | |
| | | DO | Daily | 260 | Lab | Grab | 1 | 1.00 mg/L | ≥6.0 mg/L |
| | | pH | Daily | 260 | Lab | Grab | 1 | 4.00 S.U | ≥6.0 but ≤9.0 S.U |
| | | Fecal | Daily | 260 | Lab | Grab | 2 | 1cfu/100mls | 14cfu/100mls |
| | | BOD | Daily | 260 | Operator | Q-Comp | 7 | 2.00 mg/L | 10.00 mg/L |
| | | TSS | Daily | 260 | Operator | Q-Comp | 2 | 2.50 mg/L | 5 mg/L |
| | | NH3-N | Daily | 260 | Operator | Q-Comp | 2 | 0.10 mg/L | 4 mg/L |
| | | Alkalinity | Weekly | 52 | Operator | Q-Comp | 7 | | |
| | | COD | Weekly | 52 | Operator | Q-Comp | 7 | | |
| | | TKN | Weekly | 52 | Operator | Q-Comp | 7 | | |
| | | NOx | Weekly | 52 | Operator | Q-Comp | 7 | | |
| | | TP | Weekly | 52 | Operator | Q-Comp | 2 | 0.10 mg/L | 0.33 mg/L |
| | | Metals (includes Mercury in mg/L) | Monthly | 12 | Operator | Q-Comp | 7 | | |
| | | Hardness | Monthly | 12 | Operator | Grab | 7 | 10.00 mg/L | |
| | | HEM (Oil&grease) | Monthly | 12 | Operator | Q-Comp | 7 | | |
| | | Cyanide | Quarterly | 4 | Operator | Q-Comp | 7 | | |
| | | LL HG | Quarterly | 4 | Operator | Q-Comp | 7 | | |
| | | Toxicity | Quarterly | 4 | Operator | Q-Comp | 20 | | |
| | | 2nd Species Toxicity | Annually | 1 | Operator | Q-Comp | 20 | | |
| | | Organics | Semi-Annual | 2 | Operator | Q-Comp | 7 | | |
| | | Pesticides | Semi-Annual | 2 | Operator | Q-Comp | 7 | | |
| | | Chloride | Semi-Annual | 2 | Operator | Q-Comp | 7 | | |
| | | Total Petroleum Hydrocarbon (SGT-HEM) | Semi-Annual | 2 | Operator | Q-Comp | 7 | | |
| | | PPA | Annually | 1 | Lab | Grab/ Q-Comp | 30 | | |
| UC12-WAS | Waste Activated Sludge | TS | Weekly | 52 | Operator | Grab | 2 | | |
| | | TVS | Weekly | 52 | Operator | Grab | 2 | | |
| | | Metals (includes Mercury in mg/L) | Monthly | 12 | Operator | Grab | 7 | | |
| | | Cyanide | Monthly | 12 | Operator | Grab | 7 | | |
| | | TP | Monthly | 12 | Operator | Grab | 2 | | |
| | | TKN | Monthly | 12 | Operator | Grab | 7 | | |
| | | NOX | Monthly | 12 | Operator | Grab | 7 | | |
| UC12-TWAS | Thickened Waste Activated Sludge | TS | Weekly | 52 | Operator | H-Comp | 2 | | |
| | | TVS | Weekly | 52 | Operator | H-Comp | 2 | | |

| | | | | | | | | | | | |
|------------------------------------|-------------------------|------------------------------------|--------------|-------|----------|--------|----------|--------|---|--|--|
| | | TKN | Monthly | 12 | Operator | H-Comp | 7 | | | | |
| | | TP | Monthly | 12 | Operator | H-Comp | 2 | | | | |
| | | Metals (including Mercury in mg/L) | Monthly | 12 | Operator | H-Comp | 7 | | | | |
| | | Cyanide | Monthly | 12 | Operator | H-Comp | 7 | | | | |
| | | NOX | Monthly | 12 | Operator | H-Comp | 7 | | | | |
| UC12-FILT_GBT | GBT Filtrate | BOD | Weekly | 52 | Operator | H-Comp | 7 | | | | |
| | | TSS | Weekly | 52 | Operator | H-Comp | 2 | | | | |
| | | NH3-N | Weekly | 52 | Operator | H-Comp | 2 | | | | |
| | | COD | Monthly | 12 | Operator | H-Comp | 7 | | | | |
| | | TKN | Monthly | 12 | Operator | H-Comp | 7 | | | | |
| | | NOx | Monthly | 12 | Operator | H-Comp | 7 | | | | |
| | | TP | Monthly | 12 | Operator | H-Comp | 2 | | | | |
| | | Metals (including Mercury in mg/L) | Monthly | 12 | Operator | H-Comp | 7 | | | | |
| | | Cyanide | Monthly | 12 | Operator | H-Comp | 2 | | | | |
| | | UC12-Filt_BFP | BFP Filtrate | BOD | Weekly | 52 | Operator | H-Comp | 7 | | |
| | | | | TSS | Weekly | 52 | Operator | H-Comp | 2 | | |
| | | | | NH3-N | Weekly | 52 | Operator | H-Comp | 2 | | |
| COD | Monthly | | | 12 | Operator | H-Comp | 7 | | | | |
| TKN | Monthly | | | 12 | Operator | H-Comp | 7 | | | | |
| NOx | Monthly | | | 12 | Operator | H-Comp | 7 | | | | |
| TP | Monthly | | | 12 | Operator | H-Comp | 2 | | | | |
| Metals (including Mercury in mg/L) | Monthly | | | 12 | Operator | H-Comp | 7 | | | | |
| Cyanide | Monthly | | | 12 | Operator | H-Comp | 7 | | | | |
| UC12-RAS | Return Activated Sludge | TSS | Weekly | 52 | Operator | Grab | 2 | | | | |
| | | TVSS | Weekly | 52 | Operator | Grab | 2 | | | | |
| | | TP | Weekly | 52 | Operator | Grab | 2 | | | | |
| | | COD | Weekly | 52 | Operator | Grab | 7 | | | | |
| | | Ammonia | Weekly | 52 | Operator | Grab | 2 | | | | |
| | | Metals (including Mercury in mg/L) | Monthly | 12 | Operator | Grab | 7 | | | | |
| | | Cyanide | Monthly | 12 | Operator | Grab | 7 | | | | |
| UC12-MLSS | Mixed Liquor | TSS | Daily | 260 | Operator | Grab | 2 | | | | |
| | | TVSS | Weekly | 104 | Operator | Grab | 2 | | | | |
| | | Metals (including Mercury in mg/L) | Monthly | 12 | Operator | Grab | 7 | | | | |
| | | Cyanide | Monthly | 12 | Operator | Grab | 7 | | | | |
| | | Ammonia | Semi-Annual | 2 | Operator | Grab | 2 | | | | |
| | | NOX | Semi-Annual | 2 | Operator | Grab | 7 | | | | |

| | | | | | | | | | |
|--------------------------|-------------------------------|------------------------------------|-------------|-----|----------|------|---|--|--|
| | | TKN | Semi-Annual | 2 | Operator | Grab | 7 | | |
| | | TP | Semi-Annual | 2 | Operator | Grab | 2 | | |
| | | Organics | Semi-Annual | 2 | Operator | Grab | 7 | | |
| | | Pesticides | Semi-Annual | 2 | Operator | Grab | 7 | | |
| UC12-Aeration | Aeration EFF (2 locations) | TSS | Semi-Annual | 4 | Operator | Grab | 2 | | |
| | | TVSS | Semi-Annual | 4 | Operator | Grab | 2 | | |
| | | Metals (including Mercury in mg/L) | Semi-Annual | 4 | Operator | Grab | 7 | | |
| | | Cyanide | Semi-Annual | 4 | Operator | Grab | 7 | | |
| UC12-DIG | Digester (4 digesters total) | TS | Weekly | 208 | Operator | Grab | 2 | | |
| | | TVSS | Weekly | 208 | Operator | Grab | 2 | | |
| | | TKN | Monthly | 48 | Operator | Grab | 7 | | |
| | | NOx | Monthly | 48 | Operator | Grab | 7 | | |
| | | TP | Monthly | 48 | Operator | Grab | 2 | | |
| | | Metals (including Mercury in mg/L) | Monthly | 48 | Operator | Grab | 7 | | |
| | | Cyanide | Monthly | 48 | Operator | Grab | 7 | | |
| UC12-BFP CAKE | Belt Filter Press Cake Solids | TS | Weekly | 52 | Operator | Grab | 2 | | |
| | | TVS | Weekly | 52 | Operator | Grab | 2 | | |
| | | Metals (includes Mercury in mg/l) | Monthly | 12 | Operator | Grab | 7 | | |
| | | Cyanide | Monthly | 12 | Operator | Grab | 7 | | |
| | | TP | Monthly | 12 | Operator | Grab | 2 | | |
| | | TKN | Monthly | 12 | Operator | Grab | 7 | | |
| | | NOx | Monthly | 12 | Operator | Grab | 7 | | |
| STREAM MONITORING | | | | | | | | | |
| Winter | | Oct-June | | | | | | | |
| UC12CA | | Temp | Weekly | 104 | Lab | Grab | 1 | | |
| UC12CB | | DO | Weekly | 104 | Lab | Grab | 1 | | |
| UC12CB2 | | TKN | Monthly | 24 | Lab | Grab | 7 | | |
| | | NOx | Monthly | 24 | Lab | Grab | 7 | | |
| | | TP | Monthly | 24 | Lab | Grab | 2 | | |
| | | HARD | Monthly | 24 | Lab | Grab | 7 | | |
| Summer | | July-Sept | | | | | | | |
| UC12CA | | Temp | 3x per week | 52 | Lab | Grab | 1 | | |
| UC12CB | | DO | 3x per week | 52 | Lab | Grab | 1 | | |
| UC12CB2 | | TKN | Monthly | 12 | Lab | Grab | 7 | | |
| | | NOx | Monthly | 12 | Lab | Grab | 7 | | |
| | | TP | Monthly | 12 | Lab | Grab | 2 | | |
| | | HARD | Monthly | 12 | Lab | Grab | 7 | | |

Lab Sampling Plan
Crooked Creek

| Sample Code | Season | Description | Analyses | Reporting Limit | | Permit Limit - | | Requested TAT | Monitoring Frequency | # Samples /year | Collected By | Sample Type |
|-------------|--------|-------------------------|------------|-----------------|-----------------|---------------------------|----------|---------------|----------------------|-----------------|--------------|-------------|
| | | | | - mg/l | mg/l | Notification Limit - mg/l | | | | | | |
| | | | | | | Minimum | Maximum | | | | | |
| UCCC-INF | | Influent | BOD | 2.00 | n/a | 75 | 800 | 7 | 3 X WEEK | 156 | Operator | Q-Comp |
| | | | TSS | 2.50 | n/a | 50 | 800 | 2 | 3 X WEEK | 156 | Operator | Q-Comp |
| | | | NH3-N | 0.10 | n/a | 5 | 50 | 2 | 3 X WEEK | 156 | Operator | Q-Comp |
| | | | COD | 10.00 | n/a | n/a | 1200 | 7 | MONTHLY | 12 | Operator | Q-Comp |
| | | | TKN | 0.05 | n/a | n/a | 100 | 7 | MONTHLY | 12 | Operator | Q-Comp |
| | | | NOx | 0.25 | n/a | n/a | 0.5 | 7 | MONTHLY | 12 | Operator | Q-Comp |
| | | | TP | 0.10 | n/a | 1.5 | 10 | 7 | MONTHLY | 12 | Operator | Q-Comp |
| | | | Copper | 0.002 | n/a | n/a | 0.03 | 7 | MONTHLY | 12 | Operator | Q-Comp |
| | | | Zinc | 0.005 | n/a | n/a | 0.1 | 7 | MONTHLY | 12 | Operator | Q-Comp |
| | | | OIL&GREASE | n/a | n/a | n/a | n/a | 7 | MONTHLY | 12 | Operator | Q-Comp |
| | | ALKINITY | n/a | n/a | n/a | n/a | 7 | MONTHLY | 12 | Operator | Q-Comp | |
| UCCC-FCE | | | TSS | 2.50 | n/a | n/a | 15 | 2 | Weekly | 52 | Operator | Q-Comp |
| | | | NH3-N | 0.10 | n/a | n/a | 2 | 2 | Weekly | 52 | Operator | Q-Comp |
| | | | TKN | 0.05 | n/a | n/a | 2 | 7 | Monthly | 12 | Operator | Q-Comp |
| | | | NOx | 0.25 | n/a | n/a | 20 | 7 | Monthly | 12 | Operator | Q-Comp |
| | | | TP | 0.01 | n/a | n/a | 0.75 | 2 | Monthly | 12 | Operator | Q-Comp |
| | | | BOD | 2.00 | n/a | 75 | 800 | 7 | WEEKLY | 52 | Operator | Q-Comp |
| UCCC-EFF | | Effluent | DO | 1.00 | 6.0 minimum | 6.0 | 15 | 1 | Daily | 208 | Lab | Grab |
| | | | pH | 4.0 | 6.0 - 9.0 SU's | 5.9 | 9.1 | 1 | Daily | 208 | Lab | Grab |
| | | | Fecal | 1 CFU/100 mls | 200 cfu/100 mls | n/a | 200 | 2 | Daily | 156 | Lab | Grab |
| | | | BOD | 2.00 | 5 | n/a | 5 | 7 | Daily | 156 | Operator | Q-Comp |
| | | | TSS | 2.50 | 30 | n/a | 10 | 2 | Daily | 156 | Operator | Q-Comp |
| | | | NH3-N | 0.10 | 2 | n/a | 1 | 2 | Daily | 156 | Operator | Q-Comp |
| | | | COD | 10.00 | n/a | n/a | 30 | 7 | MONTHLY | 12 | Operator | Q-Comp |
| | | | TKN | 0.10 | n/a | n/a | 2 | 3 | MONTHLY | 12 | Operator | Q-Comp |
| | | | NOx | 0.25 | n/a | n/a | 15 | 3 | MONTHLY | 12 | Operator | Q-Comp |
| | | | TP | 0.10 | n/a | n/a | 0.5 | 2 | MONTHLY | 12 | Operator | Q-Comp |
| | | | Copper | 0.002 | n/a | n/a | 0.015 | 7 | MONTHLY | 12 | Operator | Q-Comp |
| | | | Zinc | 0.05 | n/a | n/a | 0.06 | | MONTHLY | 12 | Operator | Q-Comp |
| | | | TEMP | n/a | n/a | n/a | n/a | 1 | Daily | 208 | Lab | Grab |
| | | | HARD | 10.00 | n/a | 40 | 200 | 10 | Monthly | 12 | Operator | Q-Comp |
| | | | | | Toxicity | | | | 20 | Quarterly | 4 | Operator |
| | | Toxicity | | | | 20 | Annually | 1 | Operator | Q-Comp | | |
| | | PPA | | | | 30 | Annually | 1 | Lab | Grab/ Q-Comp | | |
| UCCC-RAS | | Return Activated Sludge | TSS | | | | | 2 | Weekly | 52 | Operator | Grab |

| | | | | | | | | | | | |
|-------------|--------------|--------|-----|-----|-----|-----|---|---------|----|----------|--------|
| | | TVSS | | | | | 2 | Weekly | 52 | Operator | Grab |
| | | Metals | | | | | 7 | Monthly | 12 | Operator | Grab |
| | | Hg | | | | | 7 | Monthly | 12 | Operator | Grab |
| UCCC-MLSS | Mixed Liquor | TSS | | | | | 2 | Weekly | 52 | Operator | Grab |
| | | TVSS | | | | | 2 | Weekly | 52 | Operator | Grab |
| | | Metals | | | | | 7 | Monthly | 12 | Operator | Grab |
| | | Hg | | | | | 7 | Monthly | 12 | Operator | Grab |
| UCCC-DIG | Digester | TSS | | | | | 3 | Weekly | 52 | Operator | Grab |
| | | TVSS | | | | | 3 | Weekly | 52 | Operator | Grab |
| | | TKN | | | | | 3 | Monthly | 12 | Operator | Grab |
| | | NOx | | | | | 3 | Monthly | 12 | Operator | Grab |
| | | TP | | | | | 3 | Monthly | 12 | Operator | Grab |
| | | Metals | | | | | 7 | Monthly | 12 | Operator | Grab |
| | | Hg | | | | | 7 | Monthly | 12 | Operator | Grab |
| UCCC-DECANT | Digester | TSS | n/a | n/a | n/a | n/a | 2 | Monthly | 12 | Operator | Q-Comp |
| | | NH3-N | n/a | n/a | n/a | n/a | 2 | Monthly | 12 | Operator | Q-Comp |
| | | TKN | n/a | n/a | n/a | n/a | 7 | Monthly | 12 | Operator | Q-Comp |
| | | NOx | n/a | n/a | n/a | n/a | 7 | Monthly | 12 | Operator | Q-Comp |
| | | TP | n/a | n/a | n/a | n/a | 2 | Monthly | 12 | Operator | Q-Comp |
| | | BOD | n/a | n/a | n/a | n/a | 7 | Monthly | 12 | Operator | Q-Comp |
| | | Metals | | | | | 7 | Monthly | 12 | Operator | Q-Comp |
| | | Hg | | | | | 7 | Monthly | 12 | Operator | Q-Comp |

Lab Sampling Plan

GRASSY BRANCH

| Sample Code | Season | Description | Analyses | Reporting Limit | Permit Limit - | Notification Limit - mg/l | | Requested TAT | Monitoring Frequency | # Samples /year | Collected By | Sample Type |
|-------------|--------|-----------------------------------|------------|-----------------|-----------------|---------------------------|---------|---------------|----------------------|-----------------|--------------|-------------|
| | | | | - mg/l | mg/l | Minimum | Maximum | | | | | |
| UCGB-INF | | Influent | BOD | 2.00 | n/a | 75 | 800 | 7 | Weekly | 52 | Operator | Q-Comp |
| | | | TSS | 2.50 | n/a | 50 | 800 | 2 | Weekly | 52 | Operator | Q-Comp |
| | | | NH3-N | 0.10 | n/a | 5 | 50 | 2 | Weekly | 52 | Operator | Q-Comp |
| | | | COD | 10.00 | n/a | n/a | 1200 | 7 | Monthly | 12 | Operator | Q-Comp |
| | | | ALKALINITY | 0.05 | n/a | n/a | 100 | 7 | Weekly | 52 | Operator | Q-Comp |
| UCGB-EFF | | Effluent | Fecal | 1 CFU/100 mls | 200 cfu/100 mls | n/a | 200 | 2 | Weekly | 52 | Operator | Grab |
| | | | BOD | 2.00 | 5 | n/a | 5 | 7 | Weekly | 52 | Operator | Q-Comp |
| | | | TSS | 2.50 | 30 | n/a | 10 | 2 | Weekly | 52 | Operator | Q-Comp |
| | | | NH3-N | 0.10 | 1 | n/a | 1 | 2 | Weekly | 52 | Operator | Q-Comp |
| | | | COD | 10.00 | n/a | n/a | 30 | 7 | Monthly | 12 | Operator | Q-Comp |
| UCGB-RAS#1 | | Return Activated Sludge AB # 1 | TSS | | | | | 2 | Weekly | 52 | Operator | Grab |
| | | | TVSS | | | | | 2 | Weekly | 52 | Operator | Grab |
| | | | Metals | | | | | 7 | Monthly | 12 | Operator | Grab |
| | | | Hg | | | | | 7 | Monthly | 12 | Operator | Grab |
| UCGB-RAS#2 | | Return Activated Sludge AB # 2 | TSS | | | | | 2 | Weekly | 52 | Operator | Grab |
| | | | TVSS | | | | | 2 | Weekly | 52 | Operator | Grab |
| | | | Metals | | | | | 7 | Monthly | 12 | Operator | Grab |
| | | | Hg | | | | | 7 | Monthly | 12 | Operator | Grab |
| UCGB-MLSS#1 | | Mixed Liquor AB # 1 | TSS | | | | | 3 | Weekly | 52 | Operator | Grab |
| | | | TVSS | | | | | 3 | Weekly | 52 | Operator | Grab |
| | | | Metals | | | | | 7 | Monthly | 12 | Operator | Grab |
| | | | Hg | | | | | 7 | Monthly | 12 | Operator | Grab |
| UCGB-MLSS#2 | | Mixed Liquor AB # 2 | TSS | | | | | 3 | Weekly | 52 | Operator | Grab |
| | | | TVSS | | | | | 3 | Weekly | 52 | Operator | Grab |
| | | | Metals | | | | | 7 | Monthly | 12 | Operator | Grab |
| | | | Hg | | | | | 7 | Monthly | 12 | Operator | Grab |

Lab Sampling Plan

OLD SYCAMORE

| Sample Code | Season | Description | Analyses | Reporting Limit | Permit Limit - | Notification Limit - mg/l | | Requested TAT | Monitoring Frequency | # Samples /year | Collected By | Sample Type |
|-------------|--------|-------------------------|----------|-----------------|----------------|---------------------------|---------|---------------|----------------------|-----------------|--------------|-------------|
| | | | | - mg/l | mg/l | Minimum | Maximum | | | | | |
| | | | | | | | | | | | | |
| UCOS-INF | | Influent | BOD | 2.00 | n/a | 75 | 800 | 7 | 2 X MONTH | 104 | Operator | Q-Comp |
| | | | TSS | 2.50 | n/a | 50 | 800 | 2 | 2 X MONTH | 104 | Operator | Q-Comp |
| | | | NH3-N | 0.10 | n/a | 5 | 50 | 2 | 2 X MONTH | 104 | Operator | Q-Comp |
| | | | COD | n/a | n/a | n/a | n/a | 7 | MONTHLY | 52 | Operator | Q-Comp |
| | | | TKN | n/a | M & R | n/a | n/a | 7 | 2 X MONTH | 104 | Operator | Q-Comp |
| | | | NOx | n/a | M & R | n/a | n/a | 7 | 2 X MONTH | 104 | Operator | Q-Comp |
| | | | TP | n/a | M & R | n/a | n/a | 7 | 2 X MONTH | 104 | Operator | Q-Comp |
| | | | NITRATE | n/a | M & R | n/a | n/a | 7 | 2 X MONTH | 104 | Operator | Q-Comp |
| UCOS-EFF | | Effluent | Fecal | 1 CFU/100 mls | 14 cfu/100 mls | 1 CFU/100MLS | 200 | 2 | 2 X MONTH | 104 | Operator | Grab |
| | | | BOD | 2.00 | 10 | n/a | 5 | 7 | 2 X MONTH | 104 | Operator | Q-Comp |
| | | | TSS | 2.50 | 5 | n/a | 10 | 2 | 2 X MONTH | 104 | Operator | Q-Comp |
| | | | NH3-N | 0.10 | 4 | n/a | 1 | 2 | 2 X MONTH | 104 | Operator | Q-Comp |
| | | | COD | n/a | n/a | n/a | n/a | 7 | MONTHLY | 12 | Operator | Q-Comp |
| | | | TKN | n/a | M & R | n/a | n/a | 3 | 2 X MONTH | 104 | Operator | Q-Comp |
| | | | NOx | n/a | M & R | n/a | n/a | 3 | 2 X MONTH | 104 | Operator | Q-Comp |
| | | | TP | n/a | M & R | n/a | n/a | 2 | 2 X MONTH | 104 | Operator | Q-Comp |
| | | | NITRATE | n/a | M & R | n/a | n/a | 7 | 2 X MONTH | 104 | Operator | Q-Comp |
| UCOS-RAS | | Return Activated Sludge | TSS | | | | | 2 | 2 X MONTH | 104 | Operator | Grab |
| | | | TVSS | | | | | 2 | 2 X MONTH | 104 | Operator | Grab |
| | | | Metals | | | | | 7 | Monthly | 12 | Operator | Grab |
| | | | Hg | | | | | 7 | Monthly | 12 | Operator | Grab |
| UCOS-MLSS | | Mixed Liquor | TSS | | | | | 2 | 2 X MONTH | 104 | Operator | Grab |
| | | | TVSS | | | | | 2 | 2 X MONTH | 104 | Operator | Grab |
| | | | Metals | | | | | 7 | Monthly | 12 | Operator | Grab |
| | | | Hg | | | | | 7 | Monthly | 12 | Operator | Grab |

Lab Sampling Plan

TallWood

| Sample Code | Season | Description | Analyses | Reporting Limit | Permit Limit - | Notification Limit - mg/l | | Requested | Monitoring | # Samples | Collected By | Sample Type |
|-------------|--------|-------------------------|------------|-----------------|-----------------|---------------------------|---------|-----------|------------|-----------|--------------|-------------|
| | | | | - mg/l | mg/l | Minimum | Maximum | TAT | Frequency | /year | | |
| UCTW-INF | | Influent | BOD | 2.00 | n/a | 75 | 800 | 7 | Weekly | 52 | Operator | Q-Comp |
| | | | TSS | 2.50 | n/a | 50 | 800 | 2 | Weekly | 52 | Operator | Q-Comp |
| | | | NH3-N | 0.10 | n/a | 5 | 50 | 2 | Weekly | 52 | Operator | Q-Comp |
| | | | COD | 10.00 | n/a | n/a | 1200 | 7 | Weekly | 52 | Operator | Q-Comp |
| | | | TKN | 0.05 | n/a | n/a | 100 | 7 | Quarterly | 52 | Operator | Q-Comp |
| | | | NOx | 0.25 | n/a | n/a | 0.5 | 7 | Quarterly | 52 | Operator | Q-Comp |
| | | | TP | 0.10 | n/a | 1.5 | 10 | 7 | Quarterly | 52 | Operator | Q-Comp |
| | | | Alkalinity | n/a | n/a | n/a | n/a | 7 | Weekly | 52 | Operator | Q-Comp |
| UCTW-EFF | | Effluent | Fecal | 1 CFU/100 mls | 200 cfu/100 mls | n/a | 200 | 2 | Weekly | 52 | Operator | Grab |
| | | | BOD | 2.00 | 5 | n/a | 5 | 7 | Weekly | 52 | Operator | Q-Comp |
| | | | TSS | 2.50 | 30 | n/a | 10 | 2 | Weekly | 52 | Operator | Q-Comp |
| | | | NH3-N | 0.10 | 1 | n/a | 1 | 2 | Weekly | 52 | Operator | Q-Comp |
| | | | COD | 10.00 | n/a | n/a | 30 | 7 | Weekly | 52 | Operator | Q-Comp |
| | | | TKN | 0.10 | n/a | n/a | 2 | 3 | Quarterly | 4 | Operator | Q-Comp |
| | | | NOx | 0.25 | n/a | n/a | 15 | 3 | Quarterly | 4 | Operator | Q-Comp |
| | | | TP | 0.10 | n/a | n/a | 0.5 | 2 | Quarterly | 4 | Operator | Q-Comp |
| Alkalinity | n/a | n/a | n/a | n/a | 7 | Weekly | 52 | Operator | Q-Comp | | | |
| UCTW-RAS | | Return Activated Sludge | TSS | | | | | 2 | Weekly | 52 | Operator | Grab |
| | | | TVSS | | | | | 2 | Weekly | 52 | Operator | Grab |
| | | | Metals | | | | | 7 | Monthly | 12 | Operator | Grab |
| | | | Hg | | | | | 7 | Monthly | 12 | Operator | Grab |
| UCTW-MLSS | | Mixed Liquor | TSS | | | | | 3 | Weekly | 52 | Operator | Grab |
| | | | TVSS | | | | | 3 | Weekly | 52 | Operator | Grab |
| | | | Metals | | | | | 7 | Monthly | 12 | Operator | Grab |
| | | | Hg | | | | | 7 | Monthly | 12 | Operator | Grab |