

SOLICITATION - OFFER - AWARD

SOLICITATION NO: 25-T01014/JG	SOLICITATION TITLE: Laboratory Testing Services	DATE ISSUED: September 15, 2025	CONTRACT NO: 25-T01014/JG
ISSUED BY: BOARD OF COUNTY COMMISSIONERS HERNANDO COUNTY, FLORIDA Brian Hawkins, Chair Jerry Campbell, Vice Chair John Allocco, Second Vice Chair Steve Champion Ryan Amsler		SUBMIT BID OFFER TO: HERNANDO COUNTY PROCUREMENT DEPARTMENT 15470 FLIGHT PATH DRIVE BROOKSVILLE, FL 34604 Carla Rossiter-Smith Chief Procurement Officer	

SOLICITATION

SEALED OFFERS, FOR FURNISHING THE SERVICES, SUPPLIES OR EQUIPMENT DESCRIBED HEREIN WILL BE RECEIVED AT THE OFFICE OF Procurement DEPARTMENT, VIA HERNANDO COUNTY'S EPROCUREMENT PORTAL AT: <http://secure.procurenow.com/portal/hernandocounty>. ON **September 15, 2025**. NO BID OFFERS WILL BE ACCEPTED AFTER THE ABOVE STIPULATED DATE AND TIME. THIS IS AN ADVERTISED SOLICITATION AND THE RESPONDING BIDDERS WILL BE PUBLICLY READ IN THE PURCHASING AND CONTRACTS CONFERENCE ROOM AT **10:00 A.M. ON September 15, 2025**. PURSUANT TO FS 119.071 (current version), SEALED BIDS, PROPOSALS, OR REPLIES RECEIVED BY AN AGENCY PURSUANT TO A COMPETITIVE SOLICITATION ARE EXEMPT FROM FINAL INSPECTION UNTIL SUCH TIME AS THE AGENCY PROVIDES NOTICE OF AN INTENDED DECISION OR UNTIL THIRTY (30) DAYS AFTER OPENING THE BIDS, PROPOSALS, OR FINAL REPLIES, WHICHEVER IS EARLIER.

ITEM NO.	DESCRIPTION OF SERVICE/SUPPLIES/EQUIPMENT	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT
1	The Vendor/Contractor will supply all materials, labor, and equipment in order to accomplish the Laboratory Testing Services, as described in the specifications. (SEE ATTACHED SPECIFICATIONS)	X	XXXXX	XXXXXXXXXX	\$151,567.50

OFFER

(TERMS, CONDITIONS AND SPECIFICATIONS ARE INCLUDED AS PARTS HEREOF)

IN COMPLIANCE WITH THE ABOVE, THE UNDERSIGNED, BEING DULY AUTHORIZED TO SIGN THIS BID FOR THE BIDDER, AGREES THAT IF THIS OFFER IS ACCEPTED WITHIN **Ninety (90) DAYS** FROM THE BID OPENING DATE, TO FURNISH TO HERNANDO COUNTY ANY AND ALL ITEMS FOR WHICH PRICES ARE OFFERED IN THIS BID SOLICITATION AT THE PRICE(S) SO OFFERED, DELIVERED AT DESIGNATED POINT(S), WITHIN THE TIME PERIOD SPECIFIED, AND AT THE TERMS AND CONDITIONS SO STIPULATED IN THE SOLICITATION FOR BIDS.

AEL does not offer discounts

DISCOUNT FOR PROMPT PAYMENT: ☒ % 10 CALENDAR DAYS ☒ % 20 CALENDAR DAYS ☒ % ☒ CALENDAR DAYS

BIDDER'S INFORMATION		NAME AND TITLE OF PERSON AUTHORIZED TO SIGN BID OFFER:	
Advanced Environmental Laboratories Inc.		OFFER DATE 9/3/25	
Company Name 9610 Princess Palm Ave Address Tampa FL 33619 City State Zip Code 813-219-6275 813-630-4327 mcammarata@aellab.com Phone Number Fax Number Email Address			

AWARD

(TO BE COMPLETED BY COUNTY)

REVIEWED FOR LEGAL SUFFICIENCY	LR NO.:	BY:
ACCEPTED AS TO ITEM(S) NO:	AMOUNT:	ACCOUNTING CODE:
SUBMIT INVOICES TO: Hernando County Hernando County Utilities Department 15365 Cortez Blvd. Brooksville, FL 34613		NAME AND TITLE OF PERSON AUTHORIZED TO SIGN ACCEPTANCE AND AWARD FOR THE COUNTY: SIGNATURE: AWARD DATE:

LABORATORY TESTING SERVICES

25-T01014/JG

County of Hernando
15470 Flight Path Drive
Brooksville, FL 34604



County of Hernando
Laboratory Testing Services

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1. SOLICITATION

ISSUED BY:

BOARD OF COUNTY COMMISSIONERS

HERNANDO COUNTY, FLORIDA

Brian Hawkins, Chairman

Jerry Campbell, Vice Chairman

John Allocco, Second Vice Chairman

Steve Champion

Ryan Amsler

SUBMIT BID OFFER TO:

HERNANDO COUNTY

PROCUREMENT DEPARTMENT

via Hernando County's [eProcurement Portal](#)

Carla Rossiter-Smith

Chief Procurement Officer

SEALED OFFERS, FOR FURNISHING THE SERVICES, SUPPLIES OR EQUIPMENT DESCRIBED HEREIN WILL BE RECEIVED BY THE OFFICE OF PROCUREMENT, VIA THE COUNTY'S [eProcurement Portal](#) UNTIL 10:00 a.m., LOCAL TIME ON Monday, September 15, 2025. NO BID OFFERS WILL BE ACCEPTED AFTER THE ABOVE STIPULATED DATE AND TIME. THIS IS AN ADVERTISED SOLICITATION AND THE RESPONDING BIDDERS WILL BE PUBLICLY READ AT 15470 FLIGHT PATH DRIVE BROOKSVILLE, FL 34604 IN THE ADMINISTRATIVE CONFERENCE ROOM AT 10:00 a.m. ON Monday, September 15, 2025. PURSUANT TO FS 119.071 SEALED BIDS, PROPOSALS, OR REPLIES RECEIVED BY AN AGENCY PURSUANT TO A COMPETITIVE SOLICITATION ARE EXEMPT FROM INSPECTION UNTIL SUCH TIME AS THE AGENCY PROVIDES NOTICE OF AN INTENDED DECISION OR UNTIL THIRTY (30) DAYS AFTER OPENING THE BIDS, PROPOSALS, OR FINAL REPLIES, WHICHEVER IS EARLIER.

Procurement Contact Information:

Joe Goulart, Purchasing Agent II

(352) 754-4020

jgoulart@co.hernando.fl.us

2. INTRODUCTION

2.1. ADVERTISEMENT OF BID

INVITATION TO BID

NOTICE IS HEREBY GIVEN that the Board of County Commissioners of Hernando County, Florida, is accepting Bids for:

SOLICITATION NO. 25-T01014/JG

FOR

Laboratory Testing Services

Hernando County Board of County Commissioners is soliciting Vendors/Contractors that are active in performing water analysis on samples collected from groundwater monitor wells, wastewater treatment plants, and water treatment plants.

Offers for furnishing the above will be received and accepted up to 10:00 a.m. (local time), Monday, September 15, 2025, via Hernando County Procurement Department [eProcurement Portal](#). Only electronic submittals through the [eProcurement portal](#) shall be accepted by the County.

The Board of County Commissioners of Hernando County, Florida reserves the right to accept or reject any or all bids and waive informalities and minor irregularities in offers received in accordance with the bid documents and the Hernando County Procurement Ordinance.

Interested firms may secure the bid documents and plans and drawings and all other pertinent information by visiting the County's eProcurement Portal. For additional project information, please visit the Hernando County Board of County Commissioners Procurement Department at www.hernandocounty.us, or by submitting a question via the Q&A Tab in the County's [eProcurement Portal](#).

Ex parte Communication: Please note that to ensure the proper and fair evaluation of a submittal, the County prohibits ex parte communication (i.e., unsolicited) initiated by the Respondent to the County official or employee evaluating or considering the submittals prior to the time a decision has been made. Communication between Respondent and the County will be initiated by the appropriate County official or employee in order to obtain information or clarification needed to develop a proper and accurate

evaluation of the submittal. Ex parte communication may be grounds for disqualifying the offending Respondent from consideration or award of the solicitation or any future solicitation.

The Procurement Department will post addenda on [eProcurement Portal](#) to all questions in accordance with the Solicitation Instructions. It is the responsibility of prospective Bidders to visit the County's portal to ensure that they are aware of all Addenda issued relative to this Solicitation.

Pursuant to Florida Statutes 119.071 sealed bids, proposals or replies received by an agency pursuant to a competitive Solicitation are exempt from inspection until such time as the agency provides notice of an intended decision or until thirty (30) days after opening the bids, proposals, or final replies whichever is earlier.

NOTICE TO BIDDERS

To ensure that your bid is responsive, you are urged to request clarification or guidance on any issues involving this Solicitation before submission of your response. Your method of contact for this solicitation is the Q&A Tab in the County's [eProcurement Portal](#).

2.2. [NON-MANDATORY PRE-BID CONFERENCE](#)

Non-Mandatory Pre-Bid Conference

A Non-Mandatory Pre-Bid Conference will be held Wednesday, August 20, 2025 at 1:00 pm at the:

Hernando County Utilities 15365 Cortez Blvd Brooksville, FL 34613

3. AWARD

UPON AWARD, PLEASE SUBMIT INVOICES TO:

Hernando County Utilities Department

15365 Cortez Blvd.

Brooksville, FL 34613

4. DEFINITIONS AND SOLICITATION INSTRUCTIONS

4.1. DEFINITION OF TERMS

Where the following terms, or their pronouns, occur herein, the intent and meaning shall be as follows:

- A. **BIDDER:** The dealer/manufacturer, Vendor/Contractor or business organization submitting a bid to the County in response to this solicitation. Sometimes referred to as “proposer” or “respondent”.
- B. **CHANGE ORDER:** The written order issued by the County, County Designated Representative or Engineer, to the Vendor/Contractor and signed by the Vendor/Contractor and County authorizing an addition, deletion, or revision in the goods, services and/or work to be provided under the Contract or an adjustment in the contract price or contract time, after the effective date of the signed contract.
- C. **CONTRACT:** The written agreement executed by the County and Vendor/Contractor for the performance of work and the other documents (including but not limited to the Solicitation-Offer-Award in its entirety, and the plans, specifications, notice to bidders, proposal, surety bonds, addenda, bid documents and other documents) whether attached thereto or not.
- D. **COUNTY:** The Board of County Commissioners, Hernando County, or its duly authorized representative.
- E. **F.S.:** All references to Florida Statutes shall mean the version in effect at the time the contract is signed.
- F. **PUBLIC OPENING:** The opening of the bids or proposals received in response to this solicitation, and the announcing of the bidders/proposers that submitted the bids/proposals received in response to this solicitation, in the presence of the public.
- G. **SOLICITATION:** This Invitation to Bid (“ITB”), Request for Proposals (“RFP”) or Request for Quotes (“RFQ”), whichever applies.
- H. **VENDOR/CONTRACTOR:** The bidder awarded a contract by the County for the furnishing of goods or services.

4.2. AVAILABILITY OF BIDDING DOCUMENTS

Interested firms may secure bid documents, plans, drawings, site locations, and other pertinent information by visiting Hernando County's [eProcurement Portal](#). For additional information please contact the Hernando County Board of County Commissioners, Procurement Department via the County's [eProcurement Portal](#) Q&A Tab.

4.3. PREPARATION OF BID

To ensure acceptance of your bid, please follow these instructions:

- A. Interested firms are required to register via the County's [eProcurement Portal](#) . Once registered, to submit a response please click on the "DRAFT RESPONSE" button and provide an answer to all of the prompts/questions. You must respond to all required questions, and, if any, acknowledge addenda so that your response will be considered complete by the County. Bidders submitting more than one (1) bid with different pricing shall cause the Bidder to be rejected. All bids are subject to the conditions specified herein. Those, which do not comply with these conditions, may be subject to rejection.
- B. Submit Bids via the Hernando County's [eProcurement Portal](#). The responsibility for delivering the bid to the County on or before the stated time and date will be solely and strictly the responsibility of the Bidder. The County will be in no way responsible for delays caused by wi-fi connection or speed, power outage or any other occurrence.
1. Bids will be rejected unless submitted electronically via the County's eProcurement Portal along with all required bid line items. All bid forms enclosed are required to be completed and submitted using the instructions listed herein.
 2. The County will not honor any explanation or change in the bid documents unless a written addendum has been issued.
 3. The County reserves the right to reject any and all bids and to waive any informalities related thereto.
 4. All bids must be firm for a period of ninety (90) days after the time set for opening bids. Upon award, prices quoted will be in effect for the term of the contract.
 5. No material, labor, or facilities will be furnished by the County unless specifically stated.
 6. Blank spaces in the bid must be properly filled in and the phraseology of the bid must not be changed. Additions must not be made to items mentioned therein and any unauthorized conditions, limiting any provision, attached to a bid shall render irregular and may cause its rejection.
 7. Bidders are expected to make all investigations necessary to thoroughly inform themselves regarding all drawings, specifications, delivery requirements, performance requirements, site locations and all solicitation instructions to satisfy themselves of conditions affecting submission of their bid and the terms and cost of performing the contract. No pleas of ignorance by the Bidder of conditions that exist or may hereafter exist as a result of failure or omission on the part of the Bidder to make the necessary examinations and investigations, or failure to fulfill in every detail the requirements of the contract documents, will be accepted as a basis of varying the requirements of the County or the compensation of the Bidder. Bidder agrees that submittal of a bid for the work is prima facie evidence they have conducted such examinations.

8. Communications: All technical, scope, and/or project related questions shall be submitted through the project [Q&A Tab](#) before the deadline and according to these specifications herein. Any and all other bidding communications shall only be to the County's Procurement representative using the contact information herein. Companies bidding on this project shall not communicate with any other County Staff members or they risk being disqualified.

4.4. [BID OPENING:](#)

Bids that are not received through the [eProcurement Portal](#) prior to the submission deadline will not be accepted. Bids will be opened immediately after this date and time and will remain binding upon the Bidder for a period of ninety (90) days thereafter. Pursuant to Florida Statutes 119.071 sealed bids, proposals, or replies received by an agency pursuant to a competitive solicitation are exempt from inspection until such time as the agency provides notice of an intended decision or until thirty (30) days after opening the bids, proposals, or final replies whichever is earlier.

4.5. [QUESTIONS REGARDING SPECIFICATIONS OR BIDDING PROCESS](#)

To ensure fair consideration for all Bidders, the County prohibits communication to or with any department, division or employee during the bid process, except as provided below:

- A. All questions relative to interpretation of the specifications or the bid process shall be addressed in writing via Hernando County's [County's eProcurement Portal Q&A Tab](#), prior to the date set for submittal and opening of the bids.
- B. Any interpretation or clarification made to prospective Bidders will be expressed in the form of an addendum which, if issued, will be posted on the County's [eProcurement Portal Q&A tab](#). Oral answers will not be authoritative.
- C. It will be the responsibility of the Bidder to visit <https://secure.procurenow.com/portal/hermandocounty> to insure they are aware of all addenda issued for this solicitation.
- D. Questions must be submitted via the [Q&A Tab](#) in the County's eProcurement Portal. Questions will only be accepted through the period specified in the bid documents as Question Submission Deadline.
- E. All addenda must be acknowledged via the County's eProcurement Portal. Failure of any Bidder to acknowledge any addenda may be found non-responsive and subject to rejection.

4.6. [COMMUNICATION](#)

There shall be no communication between the Vendor/Contractor, their employees or subcontractors and County employees and elected officials (hereafter referred to as "County Representative"), except through the Procurement Department. Any attempt to communicate with any County Representative outside the Procurement Department will be considered a violation of the Procurement Policy and may result in the rejection of your bid.

4.7. WITHDRAWAL OF BIDS:

Bids may be withdrawn via the County's [eProcurement Portal](#) prior to the time fixed for opening. Negligence on the part of the Bidder in preparing the bid confers no right for the withdrawal of the bid after it has been opened. Faxed or electronically mailed withdrawals will not be recognized.

4.8. BID PROTESTS:

Any Bidder who protests the Bid Specifications or Award or Intent to Award, must file with the County a notice of protest and formal written protest in compliance with the Hernando County Procurement Manual, Section 22, which can be found at

<http://www.hernandocounty.us/home/showpublisheddocument/9013>. Failure to timely file such documents will constitute a waiver of proceedings. Failure to file a protest within the time prescribed by, or failure to post the bond or other security in strict accordance with, the Hernando County Procurement Manual, Section 22, shall constitute a waiver of protest proceedings.

4.9. FOREIGN COUNTRIES OF CONCERN

Pursuant to 287.138 F.S., effective July 1, 2023, the County may not enter into contracts which grants the Vendor/Contractor access to personal identifiable information if: a) the Contractor is owned by the government of a Foreign Country of Concern (as defined by the statute); (b) the government of a Foreign Country of Concern has a controlling interest in the entity; or (c) the Contractor is organized under the law of or has its principal place of business in a Foreign Country of Concern.

Bidders/Proposers must provide a response to the section titled VENDOR QUESTIONNAIRE, Foreign Countries of Concern included in this solicitation.

Beginning July 1, 2025, a governmental entity is prohibited from extending or renewing a contract with an entity meeting the requirements of (a), (b) or (c) above, if the contract would give such entity access to an individual's personal identifying information.

5. GENERAL CONDITIONS

5.1. CONTRACT PERIOD:

- A. The Contract resulting from this solicitation shall be a term contract for the time period specified herein. During the specified time period, the County may order services/supplies as the requirements generate and the Vendor/Contractor will deliver the services/supplies ordered. It is understood that the County is not obligated to purchase any specific amount of services/supplies under this agreement.
- B. The period of the Contract shall extend for three (3) years from contract effective date.
- C. **Renewal Option (Unilateral):** At the sole option of the County, through the Board of County Commissioners or Chief Procurement Officer or Designee, this Contract may be unilaterally renewed, for 2 (two) additional 1 (one) year periods at the same prices, terms, and conditions. The County alone will determine whether or not this renewal option will be exercised based on its convenience and its best interest.
- D. Either party may cancel this Contract, in whole or in part, by giving ninety (90) days prior notice in writing. However, the Vendor/Contractor shall not be authorized to exercise this cancellation option during the first one-hundred eighty (180) days of the Contract. The number of days within which, or the dates by which, the work is to be substantially completed and ready for final payment are set forth in the agreement.

5.2. BID PRICE/SUBMITTAL REQUIREMENTS:

- A. The prices bid shall remain firm during the period of the Contract. The prices bid shall be inclusive of all labor, equipment, and materials as specified within this solicitation. The price bid constitutes the total compensation payable to the Vendor/Contractor for performing the work.
- B. Unless otherwise stated, the prices bid shall include all costs of packing, transporting, delivery, and services to the designated point within Hernando County.
- C. The Bidder hereby certifies that this bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a bid for the same materials, supplies, services, or equipment and is in all respects fair and without collusion or fraud. Further, the Bidder hereby agrees to abide by all terms and conditions of this bid and certifies that the person executing the Bid Form is authorized to sign this bid for the Bidder.
- D. The Bidder warrants that the prices of the items set forth herein do not exceed those charged by the Bidder under a contract with the State of Florida or any of its agencies.
- E. **Bidder must submit the solicitation document in its entirety, including the Solicitation-Offer-Award cover sheet, Bid Specifications, Bid Form, and all required forms/certifications. Failure to submit these forms may render its bid as non-responsive.**

5.3. QUALIFICATION OF BIDDERS:

- A. This bid shall be awarded to a responsive, responsible bidder, qualified by experience to provide the work specified. The Bidder will submit the following information with their bid:
1. List and provide a brief description of substantially similar work (size and scope) for at least three (3) references of firms, and/or governmental agencies/entities satisfactorily completed with location, dates of contract, names, addresses, telephone numbers and email addresses of owners (see Questionnaire). These references must be for work performed within the past seven (7) years.
 2. Vendor/Contractor performing the analysis must be approved and certified pursuant to Florida Statute 406.863 by the Florida Department of Health (DOH) and in accordance with Florida Department of Environmental Protection (FDEP) Rule 62-550.550 and DOH Rule 64E-1.104, FAC Certification of Environmental Testing Laboratories. Vendor/Contractor must submit proof of Florida Department of Health certification, and copies of a Florida Department of Protection (FDEP) approved Quality Assurance (QA), Quality Control (QC) plan with their Bid. (FDEP Certified Laboratory Search: <https://glik.dep.state.fl.us/anon/sense/app/17c7c199-2c02-4f1e-9288-ad20a293694a/sheet/7bab101d-b28e-4607-b81f-6b82b0883957/state/analysis>)
 3. If the Vendor/Contractor's intention is to have certain analysis performed by another laboratory because the Vendor/Contractor is not certified to perform these particular analyses, the Vendor/Contractor must submit proof of certification from said laboratory and indicate this in the documents submitted. It is the responsibility of the Vendor/Contractor to notify and provide the County Project Manager notice and support documents if analysis is to be performed by another laboratory in advance of such action for County approvals.
 4. List of equipment and facilities available to do work.
 5. List of personnel, by name and title, contemplated to perform the work.
- B. **Failure to submit this information may be cause for rejection of your bid.**

5.4. BID EVALUATION AND AWARD:

Bid evaluation will be based on price, conformance with specifications and the Bidder's ability and resources to perform the contract in accordance with the terms and conditions required. Bidders must submit all data necessary to evaluate and determine the quality of the item(s) and/or services they are bidding. A Vendor/Contractor shall not be qualified to bid when investigation by the Chief Procurement Officer of that Vendor/Contractor is either delinquent on a previously awarded contract or in litigation with Hernando County on a previously awarded contract.

5.5. BID EVALUATION AND AWARD (continued) "Lowest Price"

The County reserves the right to make multiple awards to the lowest, responsive, and responsible Bidders based on group or the unit item price, whichever is the most advantageous to the County.

However, the County reserves the sole right to reject any and all bids in accordance with the Hernando County Procurement Ordinance.

5.6. BID EVALUATION AND AWARD (continued)

- A. If two (2) or more fully responsive, responsible bids are received for the same total amount or unit price, quality and service being equal, the County reserves the right to award the contract to the Bidder whose place of business is located within the boundaries of Hernando County, Florida. Should tie bids, as described above, be received from either two (2) or more Hernando County Bidders or from non-local Bidders when no Hernando County Bidder has submitted a tie bid, then the Board of County Commissioners shall award the contract to one (1) Vendor/Contractor by drawing lots in a public meeting.
- B. The County shall be the sole judge as to the relative merits of the bids received.
- C. If a separate written contract is not required by the County; a written letter of award, mailed or otherwise furnished to the successful Bidder, shall result in a binding contract without further action by either party.
- D. Discounts for payments within less than twenty (20) days will not be considered in evaluation of bids, however, offered discounts will be taken for less than twenty (20) days if payment is made within the discount period.
- E. Bidders/Proposers are hereby notified of the provisions of section 287.05701, Florida Statutes, as amended, that the County or the County's Board will not request documentation of or consider a Bidder's/Proposer's social, political, or ideological interests when determining if the Bidder/Proposer is responsible and may not give preference to a Bidder/Proposer based on the Bidder's/Proposer's social, political, or ideological interests.

5.7. LOCAL PREFERENCE:

- A. Purpose and Findings: These provisions apply to purchases using Formal Bids, Request for Proposals or Quotes. The County annually spends significant dollars on purchasing personal property, materials, and services, and in constructing improvements to real property or existing structures. The dollars used in making those purchases are derived, in large part, from taxes, fees and utility revenues paid by businesses located within Hernando County, and the County Commission has determined that funds generated in the community should, to the extent possible, be placed back into the local economy. Therefore, the County Commission has determined that it is in the best interest of the County to give a preference to local businesses in making such purchases whenever the application of such a preference is reasonable in light of the dollar-value of bids and quotes received in relation to such expenditures.
- B. Application:
 - 1. In bidding for or letting contracts for procurement of supplies, materials, equipment, and services, as described in the purchasing policies of the County, the Board of County

Commissioners may give a preference to local businesses in making purchases or awarding contracts in an amount not to exceed:

- a. Five percent (5%) of the local business' total bid price if the cost differential does not exceed \$10,000.00 for procurement activities in amounts over \$50,000.00
2. The total bid price shall include not only the base bid price, but also all alterations to the base bid price resulting from alternates which were both part of the bid and actually purchased or awarded by the Board of County Commissioners.
3. In the case of requests for proposals or qualification, letters of interest, or other solicitations and competitive negotiations and selections in which objective factors are used to evaluate the responses, local businesses shall be assigned five percent (5%) of the total points of the total evaluation points.

C. Definitions:

1. Local vendor means a person or business entity which has maintained a permanent place of business with full-time employees within Hernando County for a minimum of twelve (12) months prior to the date bids or quotes were received for the purchase or contract at issue, and which generally provides from such permanent place of business the kinds of goods or services solicited, and which at the time of the solicitation fully complies with the local vendor eligibility identified below.
2. Local Vendor Affidavit of Eligibility shall accompany the quotation or bid submittal in order to be considered valid and shall include, but not be limited to, the following current information:
 - a. A physical business and location address.
 - b. Proof of payment of real property tax due to Hernando County.
 - c. A copy of the firm's most recent annual corporation report to the Florida Division of Corporations.
 - d. Any additional information necessary to verify local vendor status.

D. Competitive Bids/Quotes: The County reserves the exclusive right to compare, contrast and otherwise evaluate the qualifications, character, responsibility and financial qualifications of all persons, firms, partnerships, companies, or corporations submitting formal bids or formal quotes in any procurement for goods and services when making an award in the best interests of the County.

E. Exemptions:

1. Purchases resulting from exigent emergency conditions where any delay in completion or performance would jeopardize public health, safety, or welfare of the citizens of the County,

or where in the judgment of the County the operational effectiveness or a significant County function would be seriously threatened if a purchase was not made expeditiously.

2. Purchases with any sole source supplier for supplies, materials, or other equipment.
3. Purchases made through cooperative purchasing arrangements utilized by the Procurement Department as identified in the Procurement Policy.
4. Purchases that are funded in whole or in part by assistance from any Federal, State, or local agency where the program guidelines do not permit local preference.
5. Purchases with an estimated cost of less than \$10,000.00 or less.
6. Appeal: If an application for a "local vendor/contractor" designation is denied, the applicant may appeal such decision to the County Administrator for review and further consideration.

5.8. HOURS:

Sample pickup shall occur no earlier than 11:00 A.M. but no later than 12:30 P.M., except County holidays. During County holidays, or due to exigent circumstances, the Vendor/Contractor may call in advance to request a revised pick-up time. County reserves the right to approve or deny revised pick-up time. The County may, on certain occasions, approve work outside of these times. Such exception(s) must be approved in writing by the County at least one (1) day in advance.

5.9. WARRANTIES:

The Bidder agrees that the supplies and services furnished under this award shall be covered by the most favorable commercial warranties the Bidder gives to any customer for comparable quantities of such supplies or services and that the rights and remedies provided herein are in addition to and do not limit any rights afforded to the County by any other provision of this award.

5.10. DELIVERY AND ACCEPTANCE:

- A. The County will order services by issuance of a Hernando County numbered purchase order (PO). Each purchase order will specify the scope of work, location and date(s) for service required.
- B. Receipt of services/supplies shall not constitute acceptance. Final acceptance and authorization of payment shall be given only after thorough inspection indicates that the services/supplies delivered meet bid specifications and conditions. Should the services/supplies differ in any respect from the specifications, payment will be withheld until such time as the Vendor/Contractor takes necessary corrective action. If the proposed corrective action is not acceptable to the County, final acceptance of the services may be refused, in which case the services shall remain the property of the Vendor/Contractor and the County shall not be liable for payment for any portion thereof.
- C. Unless otherwise specified, services shall be performed as described in these contract documents.

- D. Vendor/Contractor(s) shall not commence work prior to the County's receipt and acceptance of the certification of insurance, and any other required documents/certificates as specified by these contract documents.

5.11. REJECTION OF BID:

The County reserves the sole right to reject any and all bid submissions. Bids which are incomplete, unbalanced, conditional, obscure or which contain additions not required, or irregularities of any kind, or which do not comply with every aspect of this solicitation, may be rejected at the option of the County. A Vendor/Contractor shall not be qualified to bid when an investigation by the Chief Procurement Officer finds the Vendor/Contractor delinquent on a previously awarded contract or in litigation with a Hernando County previously awarded contract.

5.12. MINOR INFORMALITIES AND IRREGULARITIES:

Hernando County has the right to waive minor defects or variations of a bid from the exact requirements of the specifications that do not affect price, quality, quantity, delivery, or performance time of the services being procured. If insufficient information is submitted by a Bidder with the bid for Hernando County to properly evaluate the bid, Hernando County has the sole right to require such additional information as it may deem necessary after the time set for receipt of bids, provided that the information requested does not change the price, quality, quantity, delivery, or performance time of the services being procured. The Board of County Commissioners reserves the sole right to reject any or all bids in whole or in part; to award by any item, group(s) of items or in the aggregate whichever is most advantageous to the County.

5.13. NON-EXCLUSIVE CONTRACT:

Award of a contract resulting from this bid imposes no obligation on the County to utilize the Vendor/Contractor for all work of this type, which may develop during the contract period. This is not an exclusive contract. The County specifically reserves the right to contract with another company for similar work if it deems such action to be in the County's best interest.

5.14. NON-PERFORMANCE:

Time is of the essence in this Contract and failure to deliver the services specified within the time period required shall be considered a default.

- A. In case of default, the County may procure the services from other sources and hold the Vendor/Contractor responsible for all costs occasioned thereby and may immediately cancel the contract. The Chief Procurement Officer reserves the sole right to impose and debar Vendor/Contractors, as a direct result of Vendor/Contractor default and termination for a period of twelve (12) months to twenty-four (24) months depending upon the severity of the default resulting in contract termination. The Vendor/Contractor and its sureties (if any) shall be liable for any damage to the County resulting from the Vendor/Contractor's default of the contract. This liability includes any increased costs incurred by the County in completing contract performance.

5.15. ASSIGNMENT:

The successful Bidder is required to perform this contract and may not assign, transfer, convey, sublet, or otherwise dispose of any award or any or all of its rights, title, or interest therein, or the resulting contractual agreement in whole or in part without prior written authorization given at the sole discretion of Hernando County.

5.16. PUBLIC ENTITY CRIMES:

Any person submitting a bid or proposal in response to this Invitation to Bid certifies that they are aware of, and in compliance with, all requirements under Section 287.133, Florida Statutes, on public entity crimes. Bidders must provide a response to the section titled VENDOR QUESTIONNAIRE, Sworn Statement to Public Entity Crimes included in these bid documents.

5.17. LICENSES AND PERMITS:

Prior to furnishing the requested product(s) or service(s), it shall be the responsibility of the awarded Vendor/Contractor to obtain, at no additional cost to Hernando County, any and all licenses and permits required to complete this contractual service. These licenses and permits shall be readily available for review by the Chief Procurement Officer or their designee.

5.18. LAWS, REGULATIONS, PERMITS AND TAXES:

Vendor/Contractor shall comply with County's jobsite procedures and regulations and with all applicable local, State, and Federal laws, rules and regulations and shall obtain all permits required for any of the work performed hereunder. Vendor/Contractor shall procure and pay for all permits and inspections required for any of the work performed hereunder and shall furnish any bonds, security or deposits required to permit performance of the work. Vendor/Contractor shall, to the extent permissible under applicable law, comply with the jobsite provisions which validly and lawfully apply to work on the specific jobsite being performed under this contract. The County of Hernando is exempt from Federal excise taxes and all sales taxes.

5.19. MODIFICATIONS/AMENDMENTS AND CHANGE ORDERS:

Without invalidating the contract, the County may, at any time or from time to time, through its Chief Procurement Officer or designee, order additions, deletions, or revisions in the work, the same being authorized by change order or contract modification/amendment. The cumulative total of change orders and/or modifications/amendments to this contract under \$50,000.00 (cap) will be approved by the Chief Procurement Officer or its designee. Once the \$50,000.00 cap is reached, all other additions, or revisions to this contract that exceed the "cap" are subject to approval by the Hernando County Board of County Commissioners through Board agenda item. Only upon receipt of a change order, or modification/amendment executed by the Vendor/Contractor and County (subject to approval by the Chief Procurement Officer and/or Board of County Commissioners – as applicable) shall the Vendor/Contractor be authorized to proceed with the work involved. All such work shall be executed under the applicable terms and conditions contained in the contract documents. In addition:

- A. The County will execute an appropriate modification/amendment to the contract if such modification/amendment to the contract is approved by the Chief Procurement Officer or Board of County Commissioners (as approvable) and,
- B. It is the Vendor/Contactor's responsibility to notify its surety of any changes affecting the general scope of the work/services or change of the contract price, and amount of the applicable bond(s) shall be adjusted accordingly.

5.20. TAXES:

- A. The Board of County Commissioners, Hernando County, Florida, has the following Tax Exemption Certificates assigned:
 - 1. **Florida Sales and Use Tax Exemption Certificate No. 85-8012556945C-8, effective 1/31/2024 – expiring on 1/31/2029.**
- B. This exemption does not apply to purchases of tangible personal property made by Vendor/Contractor(s) who use the tangible personal property in the performance of contracts for improvements of County owned real property (Chapters 192 and 212, F.S. and applicable rules of the Department of Revenue).

5.21. MANUFACTURERS' NAME AND APPROVED EQUIVALENTS:

Manufacturers' names, trade names, brand names, information and/or catalog number listed in a specification are for informational purposes only and are not intended to limit competition. Said listing is for the purpose of item identification and to establish standards for quality, style and features. Bids on equivalent items will be considered unless items are noted as no substitutes. The Bidder may offer any brand for which they are an authorized representative, which meets or exceeds the specifications for any item(s). If bids are based on equivalent products, indicate on the Bid Form the manufacturers' name and catalog number. Bidder shall submit with their bid, cuts, sketches, and descriptive literature and/or specifications. The Bidder should also explain in detail the reasons(s) why and submit proof that the proposed equivalent will meet the specifications and not be considered an exception thereto. Hernando County Board of County Commissioners reserves the sole right to be the sole judge of what is equal and acceptable. Bids which do not comply with these requirements may be found non-responsive and subject to rejection. If Bidder fails to name a substitute, it will be assumed that they are bidding on and will be required to furnish goods identical to the bid standard as specified.

5.22. LITIGATION/WAIVER OF JURY TRIAL:

This agreement shall be governed by and construed according to Florida law. Venue for any dispute or formal litigation concerning this agreement shall be in the appropriate court with territorial jurisdiction over Hernando County, Florida. In the event of a dispute or litigation, each party to such dispute or litigation shall be solely responsible for its own attorneys' fees and costs. This agreement shall not be construed for or against any party hereto, regardless of which party is wholly or partly responsible for its drafting. Each party acknowledges that it is aware of and has had the opportunity to seek advice of counsel of its choice with respect to its rights to trial by jury, and each party, for itself and its successors, creditors, and assigns, does hereby expressly and knowingly waive and release all such rights to trial by

jury in any action, proceeding or counterclaim brought by any party hereto against the other (and/or against its officers, directors, employees, agents, or subsidiary or affiliated entities) on or with regard to any matters whatsoever arising out of or in any way connected with this contract and/or any other claim of injury or damage.

5.23. TERMINATION:

A. Termination for Default:

1. The County may, by written notice to the Vendor/Contractor, terminate this contract for default in whole or in part (delivery orders, if applicable) if the Vendor/Contractor fails to:
 - a. Provide products or services that comply with the specifications herein or fails to meet the County's performance standards.
 - b. Deliver the supplies or to perform the services within the time specified in this contract or any extension.
 - c. Make progress so as to endanger performance of this contract.
 - d. Perform any of the other provisions of this contract.
2. Prior to termination for default, the County will provide adequate written notice to the Vendor/Contractor through the Chief Procurement Officer, Procurement Department, affording them the opportunity to cure the deficiencies or to submit a specific plan to resolve the deficiencies within ten (10) days (or the period specified in the notice) after receipt of the notice. Failure to adequately cure the deficiency shall result in termination action and possible debarment. Such termination may also result in suspension or debarment of the Vendor/Contractor for a period of twelve (12) to twenty-four (24) months depending upon the severity of the Vendor/Contractor's action that caused the default in accordance with the County's Procurement Ordinance. The Vendor/Contractor and its sureties (if any) shall be liable for any damage to the County resulting from the Vendor/Contractor's default of the contract. This liability includes any increased costs incurred by the County in completing contract performance.
3. In the event of termination by the County for any cause, the Vendor/Contractor will have, in no event, any claim against the County for lost profits or compensation for lost opportunities. After a receipt of a Termination Notice and except as otherwise directed by the County the Vendor/Contractor shall:
 - a. Stop work on the date and to the extent specified.
 - b. Terminate and settle all orders and subcontracts relating to the performance of the terminated work.
 - c. Transfer all work in process, completed work, and other materials related to the terminated work as directed by the County.

- d. Continue and complete all parts of that work that have not been terminated.
- 4. If the Vendor/Contractor's failure to perform the contract arises from causes beyond the control and without the fault or negligence of the Vendor/Contractor, the contract shall not be terminated for default. Examples of such causes include (1) acts of God or the public enemy, (2) acts of a government in its sovereign capacity, (3) fires, (4) floods, (5) epidemics, (6) strikes and (7) unusually severe weather.
- B. Termination for Convenience: The County, by written notice, may terminate this contract, in whole or in part, when it is in the County's interest. If this contract is terminated, the County shall be liable only for goods or services delivered and accepted. The County Notice of Termination may provide the Vendor/Contractor ninety (90) days prior notice before it becomes effective. A termination for convenience may apply to individual delivery orders, purchase orders or to the contract in its entirety.

5.24. FISCAL NON-FUNDING

In the event sufficient budgeted funds are not available for a new fiscal period, the County must notify the Vendor/Contractor of such occurrence and the contract shall terminate on the last day of current fiscal period without penalty or expense to the County.

5.25. USE OF CONTRACT BY OTHER GOVERNMENT AGENCIES:

- A. At the option of the Vendor/Contractor, the use of the contract resulting from this solicitation may be extended to other governmental agencies, including the State of Florida, its agencies, political subdivisions, counties, and cities.
- B. Each governmental agency allowed by the Vendor/Contractor to use this contract shall do so independent of any other governmental entity. Each agency shall be responsible for its own purchases and shall be liable only for goods or services ordered, received, and accepted. No agency receives any liability by virtue of this bid and subsequent contract award.

5.26. CERTIFICATION OF INDEPENDENT PRICE DETERMINATION:

By submission of this bid, the Bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, that in connection with this procurement:

- A. The prices in this bid have been arrived at independently, without consultation, collusion, communication, or agreement for the purpose of restricting competition, as to any matter relating to such prices with any other Bidder or with any competitor.
- B. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to opening, directly or indirectly to any other Bidder or to any competitor.

5.27. INTERIM EXTENSION OF PERFORMANCE:

If it is determined that interim performance is required to allow for the solicitation and award of a new contract, the County may unilaterally extend the contract for a maximum period of up to six (6) months. Current pricing, delivery and all other terms and conditions of the contract shall apply during this interim period.

5.28. COMPETENCY OF BIDDERS:

The County reserves the right to make such investigations as they may deem necessary to establish the competency and financial ability of any Bidder to perform the work; and if after investigation, the evidence of their competency or financial ability is not satisfactory, the County reserves the right to reject their bid.

5.29. MAINTENANCE OF RECORDS:

The Vendor/Contractor will keep adequate records and supporting documents applicable to this contract. Said records and documentation will be retained by the Vendor/Contractor for a minimum of five (5) years from the date of final payment on this contract. The County and its authorized agents shall have the right to audit, inspect and copy records and documentation as often as the County deems necessary during the period of this contract and a period of five (5) years after completion of contract performance; provided however, such activity shall be conducted only during normal business hours. The County during the period of time defined by the preceding sentence, shall also have the right to obtain a copy of and otherwise inspect any audit made at the direction of the Vendor/Contractor as concerns the aforesaid records and documentation. Pursuant to Section 119.0701, Florida Statutes, Vendor/Contractor shall comply with the Florida Public Records' laws and shall:

- A. Keep and maintain records that ordinarily and necessarily would be required by the public agency in order to perform the service.
- B. Provide the public with access to public records on the same terms and conditions that the public agency would provide the records and at a cost that does not exceed the cost provided in Chapter 119, F.S., or as otherwise provided by law.
- C. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirement are not disclosed except as authorized by law; and,
- D. Meet all requirements for retaining public records and transfer, at no cost, to the public agency all public records in possession of the Vendor/Contractor upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the public agency in a format that is compatible with the information technology systems of the public agency.
- E. Failure to comply with this section shall be deemed a breach of the contract and enforceable as set forth in Section 119.0701, Florida Statutes.

IF THE VENDOR/CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE VENDOR/CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT 352-754-4020, PURCHASING@HERNANDOCOUNTY.US, WITH AN OFFICE LOCATED AT 15470 FLIGHT PATH DRIVE, BROOKSVILLE, FL 34604.

Per Florida Statute 20.055(5), it is the duty of every state officer, employee, agency, special district, board, commission, contractor, and subcontractor to cooperate with the Inspector General in any investigation, audit, inspection, review, or hearing pursuant to this section.

5.30. PAYMENT:

- A. Payment for services received will be accomplished by submission of an invoice, in duplicate, with purchase order number referenced thereon at the completion of each specified job. Said invoice(s) shall be submitted to: Hernando County Utilities, 15365 Cortez Blvd Brooksville, FL 34613.
- B. Each invoice shall give a detailed breakdown of the services provided.
- C. The Vendor/Contractor may invoice the County after each work order is complete. Invoice shall reference and be based upon the quantity report received after project completion.
- D. Payment will be made in no less than forty-five (45) days, per Florida Statute 218.74. Payment terms in conflict with Hernando County's payment terms are not acceptable and may be cause for rejection.
- E. Payment to Vendor/Contractor by Electronic Payment Solution: ACH (Direct Deposit): If the Vendor/Contractor is enrolled in the County's ACH electronic payment solution, all payments will be made using the direct deposit which may or may not include a pre-note transaction. The Vendor/Contractor's bank account information will remain confidential to the extent provided by law and necessary to make direct deposit payments. Once the County has approved payment, an electronic remittance advice will be sent to the Vendor/Contractor via e-mail.

5.31. CONFLICT OF INTEREST:

- A. Conflict of Interest of Officers or Employees of the Contracting Entity/Local Jurisdiction, Members of the Local Governing Body, or Other Elected Officials: No member or employee of the contracting entity/local jurisdiction or its designees or agents; no member of the governing body; and no other public official of Hernando County who exercises any function or responsibility with respect to this Contract, during his/her tenure or for one (1) year thereafter, shall have any interest, direct or indirect, in any contract or subcontract, or the proceeds thereof, for work to be performed. Further, the Vendor/Contractor shall cause to be incorporated in all Sub-contracts, the language set forth in this paragraph prohibiting conflict of interest.

- B. Employee Conflict of Interest: It shall be unethical for any Hernando County employee to participate directly or indirectly in a procurement contract when Hernando County employee knows that:
 - 1. Hernando County employee or any member of Hernando County employee's immediate family has a financial interest in the procurement contract; or
 - 2. Any other person, business, or organization with whom Hernando County employee or any member of a Hernando County employee's immediate family is negotiating or has an arrangement concerning prospective employment is involved in the procurement contract; or
- C. A Hernando County employee or any member of a Hernando County employee's immediate family who holds a financial interest in a disclosed blind trust shall not be deemed to have a conflict of interest with regard to matters pertaining to that financial interest.
- D. Former Employee Conflict of Interest: It shall be a violation for any person, business or organization contracting with County to employ in any capacity, any former County employee or member of County employee's immediate family within one (1) year of that employee's separation from employment with the County, unless the employer or the former County employee files with this solicitation, the County's Employment Disclosure Statement. The penalty for this violation may include disqualification of the bid submission.

5.32. GRATUITIES AND KICKBACKS:

- A. Gratuities: It shall be unethical for any person to offer, give, or agree to give any Hernando County employee or former Hernando County employee, or for any Hernando County employee or former Hernando County employee to solicit, demand, accept, or agree to accept from another person, a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, or preparation of any part of a program requirement or a purchase request, or to influence the content of any specification or procurement standard, or to act in an render advisory, investigative or auditing capacity. The County in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a contract or sub-contract, or to any solicitation or proposal, therefore.
- B. Kickbacks: It shall be unethical for any payment, gratuity, or offer of employment to be made by or on behalf of a subcontractor under a contract to the prime Vendor/Contractor or higher tier subcontractor or any person associated therewith, as an inducement for the award of a subcontract or order.

5.33. E-VERIFY:

- A. Vendor/Contractor is advised that the County has entered into an agreement with U.S. Immigration and Customs Enforcement (ICE) wherein the County will, in part, seek to promote

the principles of ethical business conduct, prevent the knowing hiring of unauthorized workers through self-governance, and encourage voluntary reporting of the discovery of unauthorized workers to ICE (the IMAGE Agreement). Accordingly, by submitting your bid, Vendor/Contractor represents and warrants (a) that the Vendor/Contractor is in compliance with all applicable Federal, State and local laws, including, but not limited to, the laws related to the requirement of an employer to verify an employee's eligibility to work in the United States, (b) that all of the Vendor/Contractor employees are legally eligible to work in the United States, and (c) that the Vendor/Contractor has actively and affirmatively verified such eligibility utilizing the Federal Government's Employment Verification Eligibility Form (I-9 Form).

- B. A mere allegation of Vendor/Contractor's intent to use and/or current use of unauthorized workers may not be a basis to delay the County's award of a contract to the Vendor/Contractor unless such an allegation has been determined to be factual by Immigration and Customs Enforcement (ICE) pursuant to an investigation conducted by ICE prior to the date the contract is scheduled to be awarded by the County.
- C. Legitimate claims of the Vendor/Contractor's use of unauthorized workers must be reported to both of the following agencies:
 - 1. The County's Procurement Department at (352) 754-4020: and
 - 2. Immigration and Customs Enforcement (ICE) at 1-866-DHS-2-ICE
- D. In the event it is discovered that the Vendor/Contractor's employees are not legally eligible to work in the United States, the County may, in its sole discretion, demand that the Vendor/Contractor cure this deficiency within a specified time frame, and/or immediately terminate the contract without any cost or penalty to the County, and/or debar the Vendor/Contractor from bidding on all County contracts for a period up to twenty-four (24) months, and/or take any and all legal action deemed necessary and appropriate.
- E. Vendor/Contractor is required to incorporate the following IMAGE best practices into its business and, when practicable, incorporate verification requirements into its agreements with subcontractors:
 - 1. Use the Department of Homeland Security employment eligibility verification program (E-Verify) to verify the employment eligibility of all new hires.
 - 2. Use the Social Security Number verification service and make good faith effort to correct and verify the names and Social Security Numbers of the current workforce.
 - 3. Establish a written hiring and employment eligibility verification policy.
 - 4. Establish an internal compliance and training program related to the hiring and employment verification process, to include, but not limited to, completion of Form I-9, how to detect

- fraudulent use of documents in the verification process, and how to use E-Verify and the Social Security Number Verification Service.
5. Require the Form I-9 and E-Verify process to be conducted only by individuals who received appropriate training and include secondary review as of each employee's verification to minimize the potential for a single individual to subvert the process.
 6. Arrange for annual Form I-9 audits by an external auditing firm or a trained employee not otherwise involved in the Form I-9 process.
 7. Establish a procedure to report to ICE credible information of suspected criminal misconduct in the employment eligibility verification process.
 8. Establish a program to assess subcontractors' compliance with employment eligibility verification requirements. Encourage Vendor/Contractors to incorporate the IMAGE best practices contained in this article and, when practicable, incorporate the verification requirements in subcontractor agreements.
 9. Establish a protocol for responding to letters received from Federal and State government agencies indicating that there is a discrepancy between the agency's information and the information provided by the employer or employee; for example, "no match" letters received from the Social Security Administration.
 10. Establish a tip line mechanism (inbox, e-mail, etc.) for employees to report activity relating to the employment of unauthorized workers, and a protocol for responding to employee tips.
 11. Establish and maintain appropriate policies, practices, and safeguards against use of the verification process for unlawful discrimination, and to ensure that U.S. citizens and authorized workers do not face discrimination with respect to hiring, firing, recruitment or referral for a fee because of citizenship status or national origin.
 12. Maintain copies of any documents accepted as proof of identify and/or employment authorization for all new hires.

5.34. SCRUTINIZED COMPANIES PURSUANT TO FLORIDA STATUTE SECTION 287.135 AND 215.473:

Vendor/Contractor must certify that the company is not participating in a boycott of Israel. Vendor/Contractor must also certify that Vendor/Contractor is not on the Scrutinized Companies that Boycott Israel List, not on the Scrutinized Companies with Activities in Sudan List, and not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or has been engaged in business operations in Cuba or Syria. Subject to limited exceptions provided in State law, the County will not contract for the provision of goods or services with any scrutinized company referred to above. Vendor/Contractor must submit the certification form included as an attachment to this solicitation. Submitting a false certification shall be deemed a material breach of contract. The County shall provide

notice, in writing, to the Vendor/Contractor of the County's determination concerning the false certification. The Vendor/Contractor shall have five (5) days from receipt of notice to refute the false certification allegation. If such false certification is discovered during the active contract term, the Vendor/Contractor shall have ninety (90) days following receipt of the notice to respond in writing and demonstrate that the determination of false certification was made in error. If the Vendor/Contractor does not demonstrate that the County's determination of false certification was made in error, then the County shall have the right to terminate the contract and seek civil remedies pursuant to Section 287.135, Florida Statutes, as amended from time to time.

5.35. INSURANCE REQUIREMENTS:

A. INDEMNITY, SAFETY AND INSURANCE PROVISIONS:

1. Indemnity: To the fullest extent permitted by Florida law, the Vendor/Contractor covenants, and agrees that it will indemnify and hold harmless the County and all of the County's officers, agents, and employees from any claim, loss, damage, cost, charge, attorney's fees and costs, or any other expense arising out of any act, action, neglect, or omission by Vendor/Contractor during the performance of the contract, whether direct or indirect, and whether to any person or property to which the County or said parties may be subject, except that neither the Vendor/Contractor nor any of its subcontractors, or assignees, will be liable under this section for damages arising out of injury or damage to persons or property directly caused or resulting from the sole negligence of the County or any of its officers, agents, or employees.
2. Protection of Person and Property:
 - a. The Vendor/Contractor will take all reasonable precautions for, and will be responsible for initiating, maintaining and supervising all programs relating to the safety of all persons and property affected by, or involved in, the performance of his operations under this Contract.
 - b. The Vendor/Contractor will take all reasonable precautions to prevent damage, injury or loss to: (a) all persons who may be affected by the performance of his operations, including employees; (b) all materials and equipment; and (c) all property at or surrounding the work site. In an emergency affecting the safety of persons or property, the Vendor/Contractor will act, with reasonable care and discretion, to prevent any threatened damage, injury or loss.

- B. MINIMUM INSURANCE REQUIREMENTS: Vendor/Contractor shall procure, pay for and maintain at least the following insurance coverage and limits. Said insurance shall be evidenced by delivery to the County of a certificate(s) of insurance executed by the insurers listing coverage and limits, expiration dates and terms of policies and all endorsements whether or not required by the County, and listing all carriers issuing said policies. The insurance requirements shall remain in effect throughout the term of this Contract.

1. Workers' Compensation: As required by law:
 - a. State.....Statutory
 - b. APPLICABLE FEDERAL.....Statutory
 - c. EMPLOYER'S LIABILITY.....Minimum:
 - i. \$100,000.00 each accident
 - ii. \$100,000.00 by employee
 - iii. \$500,000.00 policy limit
 - d. Exemption per Florida Statute 440: If a Vendor/Contractor has less than three (3) employees and states that they are exempt per Florida Statute 440, they must provide an exemption certificate from the State of Florida. Otherwise, they will be required to purchase Workers' Compensation Insurance and provide a copy of Workers Compensation Insurance.
<https://www.myfloridacfo.com/Division/WC/Employer/Exemptions/>
2. General Liability: Comprehensive General Liability including, but not limited to, Independent Contractor, Contractual Premises/Operations, and Personal Injury covering the liability assumed under indemnification provisions of this Contract, with limits of liability for personal injury and/or bodily injury, including death.
 - a. Coverage as follows:
 - i. EACH OCCURRENCE.....\$1,000,000.00
 - ii. GENERAL AGGREGATE\$2,000,000.00
 - iii. PERSONAL/ADVERTISING INJURY.....\$1,000,000.00
 - iv. PRODUCTS-COMPLETED OPERATIONS AGGREGATE.....\$2,000,000.00 Per Project Aggregate (if applicable)
 - b. ALSO, include in General Liability coverage for the following areas based on limits of policy, with:
 - i. FIRE DAMAGE (Any one (1) fire.....\$50,000.00
 - ii. MEDICAL EXPENSE (Any one (1) person)..... \$5,000.00
3. Additional Insured: Vendor/Contractor agrees to endorse Hernando County as an additional insured on the Comprehensive General Liability. The Additional Insured shall read "Hernando County Board of County Commissioners." Proof of Endorsement is required.
4. Waiver of Subrogation: Vendor/Contractor agrees by entering into this Contract to a Waiver of Subrogation for each required policy herein. When required by the insurer, or should a

- policy condition not permit Vendor/Contractor to enter into a pre-loss agreement to waive subrogation without an endorsement, then Vendor/Contractor agrees to notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy, which includes a condition specifically prohibiting such an endorsement, or voids coverage should Vendor/Contractor enter into such an agreement on a pre-loss basis.
5. AUTOMOBILE LIABILITY: Comprehensive automobile and truck liability covering any auto, all owned autos, scheduled autos, hired autos, and non-owned autos. Coverage shall be on an "occurrence" basis. Such insurance to include coverage for loading and unloading hazards. Coverage as follows:
- a. COMBINED SINGLE LIMIT (CSL)..... \$1,000,000.00 or:
 - i. BODILY INJURY (Per Person)..... \$1,000,000.00
 - ii. BODILY INJURY (Per Accident)..... \$1,000,000.00
 - iii. PROPERTY DAMAGE.....\$1,000,000.00
6. PROFESSIONAL LIABILITY (if applicable it will be noted below separately):
7. BUILDERS RISK INSURANCE (if applicable it will be noted below separately):
8. CRIME PREVENTION – BOND (if applicable it will be noted below separately):
9. EXCESS/UMBRELLA LIABILITY (if applicable it will be noted below separately):
10. POLLUTION LIABILITY (if applicable it will be noted below separately):
11. SUBCONTRACTORS (if applicable): All subcontractors hired by said Contractor are required to provide Hernando County Board of County Commissioners a Certificate of Insurance with the same limits required by the County as required by the Contract. All subcontractors are required to name Hernando County Board of County Commissioners as additional insured and provide a Waiver of Subrogation in regards to General Liability.
12. RIGHT TO REVISE OR REJECT: County reserves the right, but not the obligation, to revise any insurance requirement, not limited to limits, coverages and endorsements, or to reject any insurance policies which fail to meet the criteria stated herein. Additionally, County reserves the right, but not the obligation, to review and reject any insurer providing coverage due of its poor financial condition or failure to operating legally.
- C. EACH INSURANCE POLICY SHALL INCLUDE THE FOLLOWING CONDITIONS BY ENDORSEMENT TO THE POLICY:
- 1. Vendor/Contractor agrees to provide County with a Certificate of Insurance evidencing that all coverages, limits and endorsements required herein are maintained and in full force and effect, and the Certificate of Insurance shall provide a minimum thirty (30) day endeavor to

- notify, when available by Vendor/Contractor's insurer. If the Vendor/Contractor receives a non-renewal or cancellation notice from an insurance carrier affording coverage required herein, or receives notice that coverage no longer complies with the insurance requirements herein, Vendor/Contractor agrees to notify the County by email within five (5) business days with a copy of the non-renewal or cancellation notice, or written specifics as to which coverage is no longer in compliance. The Certificate Holder shall read: **Hernando County Board of County Commissioners Attention: Human Resources/Risk Department 15470 Flight Path Drive, Brooksville, Florida 34604**
2. Companies issuing the insurance policy, or policies, shall have no recourse against the County for payment of premiums or assessments for any deductibles which all are the sole responsibility and risk of Vendor/Contractor.
 3. The term "County" or "Hernando County" shall include all authorities, boards, bureaus, commissions, divisions, departments, and offices of the County and individual members, employees and agents thereof in their official capacities, and/or while acting on behalf of Hernando County.
 4. The policy clause "Other Insurance" shall not apply to any insurance coverage currently held by County, to any such future coverage, or to County's Self-Insured Retentions of whatever nature.
- D. The Vendor/Contractor shall be required to provide a current Certificate of Insurance to the County prior to commencement of services.
- E. Bidders may, at the County's request, be required to provide proof that their firm meets the preceding insurance requirements, by submission of a Certificate Of Insurance coverage(s), prior to award of the Contract.
- F. Failure of the Owner to demand such certificates or other evidence of full compliance with these insurance requirements or failure of the Owner to identify a deficiency from evidence provided shall not be construed as a waiver of Vendor/Contractor's obligation to maintain such insurance.

5.36. INSURANCE REQUIREMENTS (continued)

PROFESSIONAL LIABILITY (if applicable): including Errors and Omissions with minimum limits of \$3,000,000.00 per occurrence, if occurrence form is available; or claims made form with tail coverage extending three (3) years beyond completion and acceptance of the project with proof of tail coverage to be submitted with the invoice for final payment. In lieu of tail coverage, consultant may submit annually to the County a current Certificate of Insurance proving claims made insurance remains in force throughout the same three (3) year period.

Notwithstanding the requirements for Professional Liability Insurance listed above, Engineer and/or Architect must provide evidence of coverage, a minimum of \$1,000,000.00.

5.37. MINIMUM WAGE RATES:

- A. The Vendor/Contractor shall be required to pay their employees no less than the Federal minimum wage rate.
- B. If the contract should be renewed, the contract shall be adjusted for benefit of the Vendor/Contractor in proportion with Federal law governing wage rates during the period of the contract for labor-related costs only.
- C. The County reserves the right to inspect the payroll records of the Vendor/Contractor, as may be deemed necessary, to determine that the Vendor/Contractor is complying with Federal wage and hour law.

5.38. SAFETY PRECAUTIONS:

- A. The Vendor/Contractor shall be responsible for instructing their workmen in appropriate safety measures with respect to all services provided under this contract and shall not permit them to place equipment in traffic lanes or other locations in such a manner as to create a safety hazard.
- B. All equipment shall be equipped with all necessary safety equipment to satisfy all applicable Florida Department of Transportation (FDOT) and Occupational Safety and Health Administration (OSHA) requirements.

5.39. RESPONSIVE/RESPONSIBLE:

At the time of submitting a bid response, the County requires that the **Bidder be properly licensed and registered to do business in the State of Florida in accordance with applicable Florida Statutes (F.S.).** Bid responses that fail to provide the required forms listed in these bid documents may be rejected as non-responsive. **Bidders whose responses, past performance, or current status do not reflect the capability, integrity or reliability to fully and in good faith perform the requirements of the bid may be rejected as non-responsible.** The County reserves the sole right to determine which responses meet the requirements of this solicitation, and which Bidders are responsive and responsible. The County reserves the sole right before awarding the bid, to require a Bidder to submit such evidence of their qualifications as it may deem necessary and may consider any evidence available to it of the financial, technical, and other qualifications and abilities of a Bidder to perform the work in a satisfactory manner and within the time specified. The Bidder is assumed to be familiar with all Federal, State, or local laws, ordinances, rules, and regulations that in any manner affect the work, and to abide thereby if awarded the bid/contract. Ignorance of legal requirements on the part of the Bidder/Vendor/Contractor will in no way relieve their responsibility.

5.40. CONE OF SILENCE

- A. This Solicitation falls under the Hernando County Procurement Ordinance 93-16. All Vendors and Bidders, and representatives of same, are hereby placed on formal notice that a lobbying cone of silence period shall commence upon issuance of this Solicitation until the Board selects the successful Bidder. If Board is not involved in selecting the successful Bidder, the cone of silence period commences upon issuance of Solicitation and concludes upon award of Contract.

During the cone of silence period, no Vendor/Bidder, or representative of the Vendor/Bidder, to this Solicitation may seek information or clarification or in any way contact any official or employee of the County concerning this Solicitation with the exception of the Chief Procurement Officer, County Attorney, or an individual specifically designated in this document for dissemination of information. A copy of any written communication concerning this Solicitation shall be filed with the Procurement Department and shall be made available to the public upon request. A violation of the cone of silence renders any award voidable at the discretion of the Chief Procurement Officer with approval from the Board and may subject the Vendor/Bidder who violated it to debarment. Nothing in the Ordinance prevents a Vendor/Bidder or representative from taking part in a public meeting concerning the Solicitation. B. Neither the members of the Board nor candidates for County Commission, nor any employees from the Hernando County Government, Hernando County staff members, nor any members of the evaluation team are to be lobbied, either individually or collectively, before or during the cone of silence concerning this project. Vendors/Bidders, or representatives of same, who intend to submit bids, or have submitted bids, for this project are hereby placed on formal notice that they are not to contact County personnel for such purposes as holding meetings of introduction, meals, or meetings relating to the selection process outside of those specifically scheduled by the County. Any such lobbying activities may cause immediate disqualification of this project.

5.41. CLAIMS

- A. Chief Procurement Officer's Decision Required: All claims, except those waived, shall be referred to the Chief Procurement Officer for decision.
- B. Notice: Written notice stating the general nature of each claim shall be delivered by the claimant to the Chief Procurement Officer and the other party to the contract promptly but in no event later than thirty (30) days after the start of the event giving rise thereto. The responsibility to substantiate a claim shall rest with the party making the claim. Notice of the amount or extent of the claim, with supporting data, shall be delivered to the Chief Procurement Officer and the other party to the contract within sixty (60) days after the start of such event (unless the Chief Procurement Officer allows additional time for claimant to submit additional or more accurate data in support of such claim). A claim for an adjustment in contract price shall be prepared in accordance with the provisions of Section titled "PRICE ADJUSTMENT". Each claim shall be accompanied by claimant's written statement that the adjustment claimed is the entire adjustment to which the claimant believes it is entitled as a result of said event. The opposing party shall submit any response to the Chief Procurement Officer and the claimant within thirty (30) days after receipt of the claimant's last submittal (unless the Chief Procurement Officer allows additional time).

- C. Chief Procurement Officer's Action: Chief Procurement Officer will review each claim and, within thirty (30) days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any, take one (1) of the following actions in writing:
 - 1. Deny the claim in whole or in part,
 - 2. Approve the claim, or
 - 3. Notify the parties that the Chief Procurement Officer is unable to resolve the claim if, in the Chief Procurement Officer's sole discretion, it would be inappropriate for the Chief Procurement Officer to do so. For purposes of further resolution of the claim, such notice shall be deemed a denial.
- D. In the event that Chief Procurement Officer does not take action on a claim within said thirty (30) days, the claim shall be deemed denied.
- E. Chief Procurement Officer's written action or denial will be final and binding upon Owner and Vendor/Contractor, unless Owner or Vendor/Contractor invoke the dispute resolution procedure set forth in Section titled "DISPUTE RESOLUTION" within thirty (30) days of such action or denial.

5.42. DISPUTE RESOLUTION:

- A. Owner and Vendor/Contractor may mutually request mediation of any claim submitted to the Owner for a decision before such decision becomes final and binding. The mediation will be governed by the Construction Industry Mediation Rules of the American Arbitration Association in effect as of the effective date of the agreement. The request for mediation shall be submitted in writing to the American Arbitration Association. Timely submission of the request shall stay the effect.
- B. Owner and Vendor/Contractor shall participate in the mediation process in good faith. The process shall be concluded within sixty (60) days of filing of the request. The date of termination of the mediation shall be determined by application of the mediation rules referenced above.
- C. If the claim is not resolved by mediation, Chief Procurement Officer's action or denial pursuant to Section titled "CLAIMS" shall become final and binding thirty (30) days after termination of the mediation unless, within that time period, Owner or Vendor/Contractor:
 - 1. Agrees with the other party to submit the claim to another dispute resolution process, or
 - 2. Gives written notice to the other party of their intent to submit the claim to a court of competent jurisdiction.

6. SPECIAL CONDITIONS

6.1. INSPECTION OF FACILITIES/AREAS:

It is the Bidder's responsibility to become fully informed as to the nature and extent of the work required, local site conditions, and any other factors that may impact performance of the contract. The responsibility to inspect the worksite is the sole responsibility of the Bidder. Arrangement for Bidder's inspection of facilities and/or activity schedule may be secured by calling 352-754-4020. Failure to visually inspect the facilities may be cause for disqualification of your bid. After contract award, no additional compensation will be made as a result of the differences between actual labor and materials required to complete the project and the contract amount.

6.2. LICENSES AND PERMITS:

- A. Prior to furnishing the requested product(s) or service(s), it shall be the responsibility of the awarded Vendor/Contractor to obtain, at no additional cost to the County, any and all licenses and permits required to complete this contractual service. These licenses and permits shall be readily available for review by the Chief Procurement Officer or their designee.
- B. Said licenses shall be in the Bidder's name as it appears on the official Bid Form. Bidder shall supply appropriate license numbers, with expiration dates, as part of their bid. Failure to hold and provide proof of a proper active license, certification and registration may be grounds for rejection of the bid.
- C. Upon notification, Bidder shall provide copies of all applicable active and current licenses.

6.3. PRE-WORK MEETING

Within fourteen (14) days after the effective date of the contract, Vendor/Contractor shall meet with the County's representative(s) to discuss job procedures and scheduling.

6.4. CODES AND REGULATIONS:

The awarded Vendor/Contractor must strictly comply with all Federal, State, and local building and safety codes.

6.5. INFORMATION AND DESCRIPTIVE LITERATURE

Bidders must furnish all information requested and in the space provided on the Bid Form, if any. Furthermore, each Bidder offering an equal to the brand(s) specified (or if no brand is specified) must submit with their bid, descriptive literature and/or detailed specifications covering the products offered. Reference to literature submitted with a previous bid will not satisfy this provision. Bids which do not comply with these requirements will be rejected.

6.6. DEBRIS

Awarded Vendor/Contractor shall be responsible for the prompt removal of all debris which is a result of this contractual service.

6.7. PROTECTION OF PROPERTY/SECURITY:

- A. The Vendor/Contractor shall provide barricades if necessary and take all necessary precautions to protect buildings and personnel. All work shall be completed in every respect and accomplished in a professional manner and the Vendor/Contractor shall provide for removal of all debris from County property.
- B. The Vendor/Contractor shall at all times, guard against damage or loss to property of Hernando County, or of other Vendor/Contractors, and shall be held responsible for replacing or repairing any such loss or damage. The County may withhold payment or make such deductions as deemed necessary to insure reimbursement or replacement for loss of damage to property through negligence of the Vendor/Contractor or their agent.
- C. The Vendor/Contractor will not hold Hernando County responsible and releases Hernando County from any liability costs and expenses in connection with, resulting from or arising out of damage, loss, or theft of any machinery, equipment, tools, supplies and/or materials owned by the Vendor/Contractor and stored on County property.

6.8. PRICING-FFP

The County requires a firm fixed price for the entire contract period. Invoices will be reviewed to confirm compliance with bid pricing. Failure to hold prices firm shall be grounds for immediate termination of the contract.

6.9. PRICE ADJUSTMENT:

Written request for price adjustments may be made every 12 months at time of renewal and no less than thirty (30) days prior to the requested effective date. Any increased price adjustment(s) must be accompanied by written justification attesting that the request is a bonafide cost increase to the Vendor/Contractor. The base period for any requested adjustment shall be the beginning of the latest period during which an adjustment may have been made. All requests for price adjustment(s) shall be supported by Consumer Price Index and/or Producer Price Index documentation supporting the requested increase. All price adjustments must be accepted by the Chief Procurement Officer and shall be accomplished by written amendment to this contract. The County will notify the Vendor/Contractor, in writing, no later than thirty (30) days prior to expiration of its decision to exercise this Contract renewal option and/or options. Any request by the Vendor/Contractor for consideration of a price adjustment must be submitted in writing to the County at the time of County notice of its decision to exercise Contract renewal (this provision), and the Vendor/Contractor must provide written evidence based on increased costs to the Vendor/Contractor. Documentation of these increases must be furnished to the County upon request. Any price adjustment (increase or decrease) approved by the County shall impose upon the Vendor/Contractor the requirement to advise and extend to the County price reductions when costs similarly decrease.

6.10. MARKET CONDITIONS:

The County reserves the right to purchase on the open market should lower market prices prevail, at which time the Vendor/Contractor shall have the option of meeting the lower price or relieving the County of any obligation previously understood.

6.11. CHANGES - SERVICE CONTRACTS:

- A. The County may at any time by issuance of an executed change order make changes within the general scope of the contract in any of the following areas:
 - 1. Description of services to be performed.
 - 2. Time of performance (i.e., hours of the day, days of the week, etc.).
 - 3. Place of performance of the services.
- B. If additional work or other changes are required in the areas described above, a price proposal will be required from the Vendor/Contractor. Upon negotiation of the proposal, execution and receipt of the change order, the Vendor/Contractor shall commence performance of the work as specified.
- C. The Vendor/Contractor shall not commence the performance of additional work or other changes not covered by this contract without an executed change order issued by the Procurement Department. If the Vendor/Contractor performs additional work beyond the specific requirements of this contract without an executed change order, it shall be at their own risk. The County assumes no responsibility for any additional costs for work not specifically authorized by an executed change order.

6.12. EVALUATION OF OPTIONS:

The County shall evaluate bids/offers for award purposes by adding the total price for all options to the total price of the basic period. However, the evaluation of options will not obligate the County to exercise the option(s).

6.13. METHOD OF ORDERING:

The County will issue purchase orders against the contract on an as-needed-basis for the supplies or services listed on the Bid Form.

6.14. CONDITIONS FOR EMERGENCY/HURRICANE OR DISASTER - TERM CONTRACTS:

It is hereby made a part of this Invitation for Bid that before, during and after a public emergency, disaster, hurricane, flood, or other acts of God that Hernando County shall require a "first priority" basis for goods and services. It is vital and imperative that the majority of citizens are protected from any emergency situation which threatens public health and safety, as determined by the County.

Vendor/Contractor agrees to rent/sell/lease all goods and services to the County or other governmental entities as opposed to a private citizen, on a first priority basis. The County expects to pay contractual

prices for all products or services required during an emergency situation. **Vendor/Contractor shall furnish a twenty-four (24) hour phone number and email address in the event of such an emergency.**

6.15. REQUIREMENTS CONTRACT:

This is a requirements contract and the County shall order from the Vendor/Contractor all of the supplies and/or services specified in the contract's price schedule that are required to be purchased by the County, except as otherwise provided herein. If the County urgently requires delivery of goods or services before the earliest date that delivery may be required under this contract, and if the Vendor/Contractor will not accept an order providing for accelerated delivery, the County may acquire the goods or services from another source. Except as this contract may otherwise provide, if the County's requirements do not result in orders in the quantities described as "estimated" in the contract's price schedule, that fact shall not constitute the basis for an equitable adjustment.

6.16. ESTIMATED QUANTITIES:

Hernando County reserves the right to increase or decrease estimated quantities as required. Estimated quantities are shown on the Bid Form attached to these bid documents. It is understood by all Bidder's that these are only estimated quantities and the County is not obligated to purchase any minimum or maximum amount during the life of this contract. The contract resulting from this solicitation shall be non-exclusive and the County may procure the goods or services covered by the contract from other sources at its discretion.

6.17. ADDITIONAL ITEMS:

The award of the bid shall be based on the fixed price submitted for the items on the Bid Form attached to these bid documents. Additional items not on the current Bid Form may be added from time to time. However, the County will obtain quotes from at least three Vendor/Contractors who have already submitted bids and these items will be added to the low responsive and responsible Bidder's contract.

6.18. SITE DAMAGE:

The Vendor/Contractor shall be held responsible for damage to any site feature including, but not limited to: irrigation equipment, trees, shrubs, signs, vehicles, etc. caused by the Vendor/Contractor. It shall be the Vendor/Contractor's responsibility to clean-up and/or rectify, to the County's satisfaction, any damage to County property caused by any individual(s) connected with the Vendor/Contractor. The Vendor/Contractor shall be notified of the specific nature of the damage and cost of repair. The County shall, at its option, invoice the Bidder for payment or reduce the next regular payment to the Vendor/Contractor, for the cost of repairs, materials, and labor.

6.19. EQUIPMENT LIST:

Bidders shall submit with the bid a listing of all equipment which Bidders will use in the performance of this contract, including (as applicable) rolling stock, loaders, tractors, mowers, and any other specified equipment. The Vendor/Contractor is also required to indicate which equipment is company-owned. Failure to submit said equipment list may render Bidder's response non-responsive.

7. SCOPE AND SPECIFICATIONS

7.1. PROJECT BACKGROUND INFORMATION

The Vendor/Contractor will supply all materials, labor, and equipment in order to accomplish the laboratory testing services for water and wastewater operations for the Hernando County Utilities Department as described herein.

7.2. GENERAL REQUIREMENTS:

A. **SAMPLING:**

1. **For Total Coliform analysis, the only approved analysis methods are SM9222B, for Total Coliform Positive raw water sample results, E-Coli analysis will be performed using analytical method SM9221F or SM9222G.**
2. Vendor/Contractor must provide all sample bottles, fixatives, and shipping containers suitable for storing samples for transportation to the laboratory. Vendor/Contractor shall provide a dedicated cooler for water samples and a dedicated cooler for wastewater samples. Coolers shall not be interchangeable.
 - a. Due to the strict timelines required between when sampling occurs and testing is performed, all samples must be timely picked up by a courier employed by the Vendor/Contractor. **Common carrier services such as United Parcel, Federal Express, or similar companies do not comply with the requirements of this solicitation and therefore are not to be used.**
 - b. It is not the responsibility of the County to deliver samples to the Vendor/Contractor.
3. Sample bottles, chain of custody forms, and shipping containers for wastewater treatment plants, water treatment plants, and ground water monitor wells are to be delivered by the Vendor/Contract at least fourteen (14) days in advance of sampling to: Hernando County Utilities Department, Wiscon Utilities Complex, 15400 Wiscon Road, Brooksville, FL 34601.
4. The Hernando County Utilities Department shall collect samples from various Wastewater Treatment Plants, Water Treatment Plants, water systems, and groundwater monitor wells.
5. Hernando County Utilities Department personnel will collect all samples with the exception of Giardia and Cryptosporidium.
6. Holidays shall not affect the hold time of the samples to be analyzed. There will be no failures due to exceeding the hold time for the sample being taken on holidays.
 - a. In case of laboratory mishaps or hold time errors, there shall be a letter of explanation provided by email to Hernando County Utilities Department within 72 hours of the discovery of the error.

B. SAMPLE PICK UP LOCATIONS:

1. The Vendor/Contractor shall make pickups at the following locations between **11:00 A.M. and 12:30 P.M.** on the days stated for each location below. During County holidays or due to exigent circumstances the Vendor/Contractor may call in advance to request a revised pick-up time. County reserves the right to approve or deny revised pick-up time.
 - a. Hernando County Utilities Department Complex, 15400 Wiscon Rd., Brooksville, FL 34601 - Tuesday, Wednesday, Thursday, and Friday except Holidays.
 - b. Ridge Manor Sub-Regional Wastewater Treatment Plant (WTP), 5095 Kettering Road, Brooksville, FL 34602 - Thursdays except when the Thursday falls on a County Holiday and then change to Tuesday.
 - c. Glen Water Reclamation Facility (WRF), 11354 Hexam Road, Weeki Wachee, FL 34613 - Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, and Sunday including holidays.
 - d. Airport Water Reclamation Facility (WRF), 1400 Downwind Way, Brooksville, Florida 34604 - Monday, Tuesday, Wednesday, Thursday, Friday, including holidays.
2. The Department reserves the right to cancel pickups at any or all locations due to samples not being available.

C. SAMPLE RESULTS:

1. Wastewater Results

- a. Shall be emailed to the following:
 - i. landisl@co.hernando.fl.us
 - ii. bbatten@co.hernando.fl.us
 - iii. dsinger@co.hernando.fl.us
 - iv. jbishop@co.hernando.fl.us
 - v. tbishop@co.hernando.fl.us
 - vi. cbishop@co.hernando.fl.us
 - vii. salexander@co.hernando.fl.us
 - viii. tmatney@co.hernando.fl.us
- b. Results that do not meet the requirements of the permit limits for the wastewater plants i.e. excursions, samples out of the hold time, lost samples that are not listed on the chain of custody, bottles spilled or broken; the Hernando County Utilities Representatives listed above shall be notified via email as soon as possible.

- c. Any Wastewater sample failures shall be notified by email within thirty (30) hours of discovery.
- d. The County reserves the right to amend this list via email notification to Vendor/Contractor.

2. Water Results

- a. Shall be emailed to the following:
 - i. landisl@co.hernando.fl.us
 - ii. bbatten@co.hernando.fl.us
 - iii. jfretto@co.hernando.fl.us
 - iv. jwatson@co.hernando.fl.us
 - v. plorefice@co.hernando.fl.us
- b. Any bacteriological drinking water sample failures shall be notified by email immediately upon discovery via email and phone call. During normal business hours of Monday through Friday, 7:00 am to 3:30 pm, call the office at (352) 754-4490; and, after hours, holidays, and weekends, call the on-call phone at (352) 667-1391.

3. Sample Results Response Time Requirements

- a. Within thirty (30) hours of analysis, results for the following shall be emailed:
 - i. Fecal Coliform
- b. Within two (2) days of analysis, results for the following shall be emailed:
 - i. Carbonaceous Biochemical Oxygen Demand (CBOD)
 - ii. Total Suspended Solids (TSS)
 - iii. Nitrates
 - iv. Chlorides
 - v. Sulfates
 - vi. Total Dissolved Solids
- c. Within ten (10) days of analysis, results for the following shall be emailed:
 - i. Groundwater monitor well
 - ii. Total coliform
 - iii. Sludge analysis

- d. Vendor/Contractor shall supply sample results via email within the time frames stated above. Hernando County Utilities personnel shall be notified immediately upon analysis of parameters that exceed permit specified limitations via email as shown above and telephone notification at (352) 754-4490. Failure to notify the Hernando County Utilities Department regarding samples that exceed specified limits within the time frame specified may be grounds for default. See Termination for Default in Section 5.23.
 - e. **Portal** - The awarded Vendor/Contractor shall provide a portal to the Hernando County Utilities Department and said portal shall contain the results, invoices, and be made available to the Department for five (5) years after the end of the contract for data retrieval. The County employees listed above shall have access to the provided portal. The portal should support Multi-Factor Authentication or, preferably, use Single Sign On (SSO) with the County's Microsoft Entra environment supported. The County reserves the right to amend this list via email notification to Vendor/Contractor. Results and reports, as applicable, must be provided prior to submitting an invoice for payment. Utilities Department staff will print invoices for payment, therefore, vendor/contractor will not be required to submit paper invoices. The County reserves the right to modify this process in the future without amending the contract.
 - f. **Lab Contact Information.** The Utilities Department shall provide phone numbers for the lab to contact regarding Coliform and Fecal Coliform failures within twenty-four (24) hours, upon the award of the contract.
- D. **QUALITY CONTROL:** The County reserves the right to submit random quality control samples to any laboratory of its choice, at any time during the period of this contract, without such action constituting a breach of Contract.

7.3. TECHINICAL SPECIFICATIONS:

- A. General: The required analysis work is divided into ten (10) sections. The various sections address different analysis parameters, sampling sites and/or sample frequencies. Separate unit prices per analysis and total prices (multiply Estimated Quantity Per Year x Price Per Analysis) are to be entered for each section on the Pricing Proposal Section 8. The County does not require a written Quality Assurance (QA) Quality Control (QC) with each analysis. This is required from the State if a QA plan is in effect. The County may require reporting on specific Florida Department of Environmental Protection forms including but not limited to 62-550 Drinking Water Forms and 62-620.910, 62-61.300 (4)(a)4. At this time, the County does not anticipate any other analyses other than possible re-samples or, in the event that other testing is needed to conform with the rules and regulations set forth by the Florida Department of Environmental Protection.
1. **Section I - Analysis of Groundwater Monitor Well Samples/Wastewater:**

- a. The Vendor/Contractor shall be required to provide for the analyses of specified parameters from groundwater monitor well samples.
 - i. Detailed Analysis Requirements:
 - I. Laboratory procedures and methods used will be in accordance with the latest edition of Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (A.S.T.M.), United States Environmental Protection Agency (USEPA), or other methods (plate count for fecal coliform) as approved and accepted by the Florida Department of Environmental Protection (FDEP).
 - ii. Frequency of Testing:
 - I. Samples shall be taken four (4) times for each well during the sampling periods as follows: sampling schedules may vary, all contingent upon weather or other unforeseen circumstances. Sampling months are January – March; April – June; July – September; October – December. Twenty-four (24) Wastewater Treatment Plant groundwater monitor wells shall be tested quarterly for the following parameters: Nitrate Nitrogen (NO₃), Fecal Coliform, Total Dissolved Solids (TDS), Sodium Total Recoverable (Na), Chloride (CL), Sulfate Total (SO₄), Turbidity, Nephelometric Turbidity Unit (NTU), Arsenic Total Recoverable (As), Lead Total Recoverable (Pb), Cadmium Total Recoverable (Cd), Chromium Total Recoverable (Cr).
2. **Section II – Various Analysis for Influent and Effluent for Wastewater Treatment Plants and Monitor Wells:**
- a. The Vendor/Contractor shall be required to perform all analyses in accordance with methods approved by the United States Environmental Protection Agency (USEPA) and the Florida Department of Environmental Protection. Analytical procedures will be completed in accordance with the latest edition of Standard Methods for the Examination of Water and Wastewater, and in compliance with the Florida Administrative Code, Chapter 17-601, and USEPA Method 1623.
 - i. Detailed Analysis Requirements:
 - I. Five (5) day carbonaceous biochemical oxygen demand tests (CBOD₅) for wastewater effluent and five (5) day biochemical oxygen demand (CBOD₅) for influent. Results to be expressed as milligrams/liter (mg/L).
 - II. Total suspended solids (TSS) tests on effluent and influent. Results to be expressed as milligrams/liter (mg/L).

- III. Nitrate Nitrogen (NO₃) sampled on effluent. Results for nitrate tests to be expressed as milligrams/liter (mg/L) of nitrate.
- IV. Ammonia tests (NH₃) on effluent. Results to be expressed as milligrams/liter (mg/L).
- V. Fecal Coliform on effluent. Results to be expressed as standard plate count.
- VI. Giardia. Results to be expressed as a count of oocysts.
- VII. Cryptosporidium. Results to be expressed as a count of oocysts.
- VIII. Total Nitrogen (TN) required on some plant effluent where indicated. Results to be expressed as milligrams/liter (mg/L).
- IX. Total Phosphorus (P) required on some plant effluent where indicated. Results to be expressed as milligrams/liter (mg/L).
- X. Calcium. Results to be expressed as milligrams/liter (mg/L).
- XI. Total Alkalinity. Results to be expressed as milligrams/liter (mg/L).
- ii. Additional Tests Required:
 - I. Chemical Oxygen Demand (COD)
 - II. Total Kjeldahl Nitrogen (TKN)
 - III. Total Dissolved Solids (TDS)
 - IV. Sodium (Na)
 - V. Chloride (CL)
 - VI. Sulfate (SO₄)
 - VII. Arsenic Total Recoverable (As)
 - VIII. Nephelometric Turbidity Unit (NTU)
 - IX. Lead Total Recoverable (Pb)
 - X. Cadmium Total Recoverable (Cd)
 - XI. Chromium Total Recoverable (Cr)
 - XII. Nitrite (NO₂)
- iii. Frequency of Testing:
 - I. Influent analysis consisting of Carbonaceous Biochemical Oxygen Demand (CBOD₅) and Total Suspended Solids (TSS) shall be performed on two (2)

Wastewater Treatment Plants on a weekly basis and one (1) Wastewater Treatment Plant five (5) days per week.

- II. Effluent analysis consisting of Carbonaceous Biochemical Oxygen Demand (CBOD5), Total Suspended Solids (TSS), and Nitrate (NO3) shall be performed on two (2) Wastewater Treatment Plants on a weekly basis and one (1) Wastewater Treatment Plant five (5) days a week.
- III. Effluent analysis with Total Nitrogen (TN) shall be performed on two (2) Wastewater Treatment Plants on a weekly basis and one (1) Wastewater Treatment Plant five (5) days a week.
- IV. Effluent Ammonia (NH3) analysis shall be performed on an as-needed basis at any of the Wastewater Treatment Plants.
- V. Effluent Fecal Coliform analysis shall be performed on two (2) Wastewater Treatment Plants on a weekly basis and one (1) Wastewater Treatment Plant five (5) days a week.
- VI. Giardia and Cryptosporidium analysis using USEPA Method 1623 shall be performed on one (1) Wastewater Treatment Plant on even numbered years for the Glen Water Reclamation Facility.
- VII. Total Nitrogen (TN), Total Phosphorus (P), Calcium and Total Alkalinity Analysis shall be performed on three (3) wastewater treatment plants monthly.
- VIII. Additional Requested Tests shall be performed on one (1) wastewater treatment plant on an as-needed basis.

3. **Section III - Analysis of Wastewater Treatment Plant - Digested Sludge for Land Application:**

- a. The Vendor/Contractor shall perform all analysis in accordance with methods approved by the United States Environmental Protection Agency (USEPA) and the Florida Department of Environmental Protection (FDEP). Analytical procedures shall be completed in accordance with the latest edition of U.S. Environmental Protection Agency Publication – Publicly Owned Treatment Works (POTW) Sludge Sampling and Guidance Document, 1989, and or in compliance with the Florida Administrative Code, Chapter 62-640, effective 3-30-98.
 - i. Detailed Analysis Requirements:
 - I. Sludge Analysis - Sludge samples shall be tested for the following parameters, with results expressed in units as stated:

Parameters	Units
Total Nitrogen	Percent (%) Dry Weight
Total Phosphorus	Percent (%) Dry Weight
Total Potassium	Percent (%) Dry Weight
Cadmium	Milligram per Kilogram (mg/kg), dry

basisCopperMilligram per Kilogram (mg/kg), dry basisLeadMilligram per Kilogram (mg/kg), dry basisNickelMilligram per Kilogram (mg/kg), dry basisZincMilligram per Kilogram (mg/kg), dry basisArsenicMilligram per Kilogram (mg/kg), dry basisMercuryMilligram per Kilogram (mg/kg), dry basisMolybdenumMilligram per Kilogram (mg/kg), dry basisSeleniumMilligram per Kilogram (mg/kg), dry basisPotential of Hydrogen (pH)Milligram per Kilogram (mg/kg), dry basisTotal SolidsPercent (%)

ii. Frequency of Testing:

I. Analysis shall be performed on an annual basis at three (3) Wastewater Treatment Plants:

- I. Airport Water Reclamation Facility, 1400 Downwind Way, Brooksville 34604
- II. Glen Water Reclamation Facility, 11354 Hexam Road, Brooksville 34613
- III. Ridge Manor Wastewater Treatment Plant, 5095 Kettering Road, Brooksville 34602

4. **Section IV - Annual Analysis for Primary and Secondary Drinking Water Standards, 24-hour Composite:**

a. The Vendor/Contractor shall perform all analysis in accordance with the Primary and Secondary Drinking Water Standards contained in Chapter 62-550, F.A.C., and Florida Department of Environmental Protection (DEP) Form 62-620.910 effective March 9, 2006 (except for turbidity, total coliform, color, and corrosivity).

i. Detailed Analysis Requirements:

- I. Dioxin and Gross Alpha samples. Dioxin results to be expressed as micrograms per liter (ug/L) and Gross Alpha results to be expressed as picoCuries per liter (pCi/L).
- II. Asbestos may or may be not required, testing will be done on an as-needed basis.

ii. Frequency of Testing:

I. Dioxin and Gross Alpha

- I. If any new non-domestic wastewater dischargers be added to the system during the year, testing shall be performed on an annual basis at three (3) Wastewater Treatment Plants:
 - I. Airport Water Reclamation Facility, 1400 Downwind Way, Brooksville 34604

II. Glen Water Reclamation Facility, 11354 Hexam Road, Brooksville 34613

III. Ridge Manor Wastewater Treatment Plant, 5095 Kettering Road,
Brooksville 34602

II. Asbestos may or may be not required, testing will be done on an as-needed basis.

5. **Section V - Analysis of Monitor Wells for Permit Renewal/Wastewater:**

a. The Vendor/Contractor shall perform all analysis in accordance with the Florida Primary and Secondary Drinking Water Standards contained in Chapter 62-550, Florida Administrative Code (excluding asbestos, acrylamide, and epichlorohydrin), fecal coliform, and United States Environmental Protection Agency (USEPA) Methods 601 and 602.

i. Detailed Analysis Requirements:

I. Dioxin and Gross Alpha samples results to be expressed as micrograms per liter (ug/L) and Gross Alpha results to be expressed as picoCuries per liter (pCi/L).

ii. Frequency of Testing:

I. Dioxin and Gross Alpha analysis shall be performed on one (1) Wastewater Treatment Plant with a total of five (5) Monitor Wells to be tested prior to permit renewal. Analysis may also be used in lieu of quarterly ground water monitoring requirements as per permit.

6. **Section VI - Analysis of Effluent (Twenty-Four (24) Hour composite) for Permit Renewal:**

a. The Vendor/Contractor shall perform all analysis in accordance with the Florida Primary and Secondary Drinking Water Standards contained in Chapter 62-550, Florida Administrative Code (excluding asbestos, acrylamide, and epichlorohydrin), fecal coliform, and United States Environmental Protection Agency (USEPA) Methods 601 and 602.

i. Detailed Analysis Requirements:

I. The composite shall be analyzed for the Florida Primary and Secondary Drinking Water Standards in accordance with Chapter 62-550, Florida Administration Code, the United States Environmental Protection Agency (USEPA) Priority Pollutants and Fecal Coliform.

II. Reports for any additional testing where applicable shall be reported by the testing laboratory on Form 62.550.730. Any exceedances shall be indicated by the laboratory within five (5) days of these tests results when obtained by the

laboratory to allow time for the Utilities Department to retest in a timely manner.

III. Asbestos may or may be not required, testing will be done on an as-needed basis.

ii. Frequency of Testing:

I. Analysis of Effluent

I. One (1) Wastewater Treatment Plant; OR

II. Three (3) Wastewater Treatment Plants;

I. Analyzed sixty (60) days prior to submittal of permit renewal application. Renewal dates vary.

II. Asbestos may or may be not required, testing will be done on an as-needed basis.

7. **Section VII - Analysis of Drinking Water Wells:**

a. The Vendor/Contractor shall perform all analysis in accordance with methods approved by the United States Environmental Protection Agency (USEPA) and the Florida Department of Environmental Protection. Analytical procedures will be completed in accordance with the latest edition of Standard Methods for the Examination of Water and Wastewater, and in compliance with Florida Administrative Code, Chapter 62-550.

i. Detailed Analysis Requirements:

I. Chloride sample results to be expressed as milligrams/liter (mg/L).

II. Sulfate sample results to be expressed as milligrams/liter (mg/L).

III. Total Dissolved Solids sample results to be expressed as milligrams/liter (mg/L).

ii. Frequency of Testing:

I. Analysis shall be performed on a quarterly basis at the following quantities:

II. Chloride - fifteen (15) samples

III. Sulfate – fifteen (15) samples

IV. Total Dissolved Solids - fifteen (15) samples

8. **Section VIII - Yearly Analysis for Water Treatment Plants:**

a. The Vendor/Contractor shall perform analysis for Water Treatment Plants in accordance with the latest edition of Standard Methods for the Examination of Water and Wastewater, excluding 9221B, Escherichia Coli Broth Medium (EC/MUG), and Minimal

Medium ONPG (MMO/MUG) for Total Coliform, and in compliance with the Florida Administrative Code, Chapter 62-550 and United States Environmental Protection Agency (USEPA) Method SM9222B for Total Coliform of all bacteriological samples and for Total Coliform Positive raw water sample results, E-Coli analysis will be performed using analytical (continued) method SM9221F or SM9222G.

i. Detailed Analysis Requirements:

- I. Nitrate/Nitrite sample results to be expressed as milligrams/liter (mg/L).
 - I. 1040 – Nitrate
 - II. 1041 - Nitrite
- II. Volatile Organics sample results to be expressed as milligrams/liter (mg/L).
- III. Lead and Copper
 - I. 1030 – Lead Pb
 - II. 1022 – Copper Cu
- IV. Total Trihalomethanes sample results to be expressed as milligrams/liter (mg/L).
Samples shall be tested as outlined in FDEP 62-550.519, EPA Method 502.2.
- V. Radiological sample results to be expressed as milligrams/liter (mg/L).
 - I. Combined Uranium (U-234, U-236, U-238)
 - II. Gross Alpha (Excluding Uranium)
 - III. Radium 226
 - IV. Radium 228
- VI. Primary Inorganics sample results to be expressed as milligrams/liter (mg/L).
Asbestos is required.
 - I. Primary Inorganics (Including Nitrate and Nitrite)
 - II. 10-05 – Arsenic
 - III. 1094 – Asbestos
 - IV. 1010 – Barium
 - V. 1015 – Cadmium
 - VI. 1020 – Chromium
 - VII. 1024 – Cyanide
 - VIII. 1025 – Fluoride

IX. 1035 – Mercury

X. 1036 – Nickel

XI. 1045 – Selenium

XII. 1052 – Sodium

XIII. 1074 – Antimony

XIV. 1075 – Beryllium

XV. 1085 – Thallium

XVI. Lead

VII. Secondary Contaminants sample results to be expressed as milligrams/liter (mg/L).

I. 1002 – Aluminum

II. 1028 – Iron

III. 1032 – Manganese

IV. 1050 – Silver

V. 1095 – Zinc

VI. 1905 – Color

VII. 1920 – Odor

VIII. 1925 – pH

IX. 1930 – Total Dissolved Solids

X. 2905 – Foaming Agents

XI. Copper

XII. Chloride

XIII. Sulfate

VIII. Synthetic Organic Contaminants sample results to be expressed as milligrams/liter (mg/L).

I. 2063 – 2,3,7,8-TCDD (Dioxin) (1746-01-6)

II. 2105 – 2,4-D (94-75-7)

III. 2110 – 2,4,5-TP (Silvex) (93-72-1)

IV. 2110 – 2,4,5-TP (Silvex) (93-72-1)

- V. 2050 – Atrazine (1912-24-9)
- VI. 2306 – Benzo(a)pyrene (50-32-8)
- VII. 2046 – Carbofuran (1563-66-2)
- VIII. 2959 – Chlordane (57-74-9)
- IX. 2031 – Dalapon (75-99-0)
- X. 2035 – Di(2-ethylhexyl adipate (103-23-1)
- XI. 2039 – Di(2-ethylhexyl phthalate (117-81-7)
- XII. 2931 – Dibromochloropropane (DBCP)
- XIII. 2041 – Dinoseb (88-85-7)
- XIV. 2032 – Diquat (85-00-7)
- XV. 2033 – Endothall (145-73-3)
- XVI. 2005 – Endrin (72-20-8)
- XVII. 2946 – Ethelene dibromide (EDB)
- XVIII. 2034 – Glyphosate (1071-83-6)
- XIX. 2065 – Heptachlor (76-44-8)
- XX. 2067 – Heptachlor epoxide (1024-57-3)
- XXI. 2274 – Hexachlorobenzene (118-74-1)
- XXII. 2042 – Hexachlorocyclopentadiene (77-47-4)
- XXIII. 2010 – Lindane (58-89-9)
- XXIV. 2015 – Methoxychlor (72-43-5)
- XXV. 2036 – Oxamyl EPA 531.1 (23135-22-0)
- XXVI. 2326 – Pentachlorophenol (87-86-5)
- XXVII. 2040 – Picloram (1918-02-1)
- XXVIII. 2383 – Polychlorinated biphenyls (PCBs)
- XXIX. 2037 – Simazine (122-34-9)
- XXX. 2020 – Toxaphene (8001-35-2)
- XXXI. Xylene

- IX. Haloacetic Acids sample results to be expressed as milligrams/liter (mg/L).
Samples shall be tested as outlined in FDEP 62- 550.519, EPA Method 552.2.
- X. Total Coliform sample results to be expressed as absent or present.
 - I. Original copies of Total Coliform Test results are to be sent to Hernando County Utilities Department at 15400 Wiscon Road, Brooksville, Florida 34601, within three (3) days of analysis completion by email attention of Joe Fretto JFretto@co.hernando.fl.us and John Watson JWatson@co.hernando.fl.us
 - II. Total Coliform includes samples for permit compliance on any special testing main breaks, low psi, etc. shall be picked up every week at Wiscon Utilities Complex, 15400 Wiscon Road, Brooksville, FL 34601, or designated wastewater plant site.
- XI. Calcium (CaCo₂) sample results to be expressed as milligrams/liter (mg/L).
- XII. Total Alkalinity (CaCO₃) sample results to be expressed as milligrams/liter (mg/L).
- XIII. Conductivity sample results to be expressed as microSiemens (uS/cm) or micromhos (umho/cm).
- ii. Frequency of Testing:
 - I. Thirty (30) Nitrate/Nitrite sites shall be tested annually.
 - II. Twenty-four (24) Volatile Organics sites shall be tested annually.
 - III. Seventy (70) Lead and copper site shall be tested annually, based on population density.
 - IV. Five (5) Total Trihalomethanes site shall be tested quarterly.
 - V. Twenty-four (24) Radiological sites shall be tested annually.
 - VI. Twenty-four (24) Primary Inorganics (including Nitrite/Nitrate) sites shall be tested annually.
 - VII. Twenty-four (24) Secondary Contaminants sites shall be tested annually.
 - VIII. Twenty-four (24) Synthetic Organic Contaminants sites shall be tested annually.
 - IX. Twenty-four (24) Haloacidic Acids sites shall be tested annually.
 - X. Two thousand eight hundred and twenty (2,820) total Coliform samples shall be tested annually - 160 tests per month (based on population density) plus estimated 900 samples for unplanned line breaks or repairs.

- XI. Twenty-one (21) Calcium (CaCO_2) sites shall be tested annually.
- XII. Twenty-one (21) Total Alkalinity (CaCO_3) sites shall be tested annually.
- XIII. Twenty-one (21) Conductivity sites shall be tested annually.
- XIV. Subsection tests shall be conducted as needed.

9. **Section IX - Wastewater:**

- a. The Vendor/Contractor shall perform analysis in accordance with methods approved by the United States Environmental Protection Agency (USEPA) and the Florida Department of Environmental Protection.
 - i. Detailed Analysis Requirements:
 - I. Reclaimed water, to be expressed as a plate count, unless otherwise requested.
 - ii. Frequency of Testing:
 - I. Fecal Coliform for the Glen Water Reclamation Facility seven (7) days per week.
 - II. Total Suspended Solids (TSS) for the Glen Water Reclamation Facility seven (7) days per week.

10. **Section X - All Drinking Water Systems and Plants:**

- a. The Vendor/Contractor shall perform analysis in accordance with methods approved by the United States Environmental Protection Agency (USEPA) and the Florida Department of Environmental Protection.
 - i. Detailed Analysis Requirements:
 - I. Total Solids sample results to be expressed as mg/L.
 - II. Volatile Suspended Solids (VSS) sample results to be expressed as mg/L.
 - III. Ortho-Phosphate sample results to be expressed as mg/L.
 - IV. Magnesium sample results to be expressed as mg/L.
 - V. Lithium sample results to be expressed as mg/L.
 - VI. Emerging Contaminants in Water and Wastewater.
 - I. Include but are not limited to: PFAS, PFOA, PFOS, PFHxS, PFNA, and HFPO-DA samples results to be expressed as ng/L.
 - II. Testing will occur pursuant to Environmental Protection Agency methods 533 or 537.1.
 - ii. Frequency of Testing:

- I. Twenty-four (24) Total Solids, Volatile Suspended Solids (VSS), Ortho-Phosphate, and Magnesium sites shall be tested annually.
- II. Twenty-nine (29) Lithium and Emerging Contaminants in Water and Wastewater sites shall be tested semi-annually.

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PRICE TABLES

BID TABLE

Line Item	Item No.	Description	Estimated Quantity Per Year	Frequency Per Year	Unit of Measure	Price Per Analysis	Total
SECTION I – ANALYSIS OF GROUNDWATER MONITOR WELL SAMPLES/WASTEWATER							
1	1	Analysis of Groundwater Monitor Well Samples/Wastewater	96	24 Wells Quarterly	ea	\$87.00	\$8,352.00
SECTION II - VARIOUS ANALYSIS FOR INFLUENT AND EFFLUENT FOR WASTEWATER TREATMENT PLANTS AND MONITOR WELLS							
2	2	Influent Carbonaceous Biochemical Oxygen Demand (CBOD 5)	364	2 Plants, once per week + 1 Plant, 5 days per week	ea	\$18.00	\$6,552.00
3	3	Influent Total Suspended Solids (TSS)	364	2 Plants, once per week + 1 Plant, 5 days per week	ea	\$9.00	\$3,276.00

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4	4	Effluent Carbonaceous Biochemical Oxygen Demand (CBOD 5)	364	2 Plants, once per week + 1 Plant, 5 days per week	ea	\$18.00	\$6,552.00
5	5	Effluent Total Suspended Solids (TSS)	364	2 Plants, once per week + 1 Plant, 5 days per week	ea	\$9.00	\$3,276.00
6	6	Effluent Nitrate Nitrogen (NO3)	364	2 Plants, once per week + 1 Plant, 5 days per week	ea	\$8.00	\$2,912.00
7	7	Effluent Total Nitrogen (TN)	364	2 Plants, once per week + 1 Plant, 5 days per week	ea	\$28.00	\$10,192.00
8	8	Effluent Ammonia (NH3)	1	As Needed	ea	\$15.00	\$15.00
9	9	Effluent Fecal Coliform	364	2 Plants, once per week + 1 Plant, 5 days per week	ea	\$14.50	\$5,278.00

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Line Item	Item No.	Description	Estimated Quantity Per Year	Frequency Per Year	Unit of Measure	Price Per Analysis	Total
10	10	Giardia	1	Annually on Even Numbered Years	ea	\$375.00	\$375.00
11	11	Cryptosporidium	1	Annually on Even Numbered Years	ea	\$375.00	\$375.00
12	12	Total Nitrogen (TN)	36	3 Plants - Monthly	ea	\$30.00	\$1,080.00
13	13	Phosphorus (P)	36	3 Plants - Monthly	ea	\$18.00	\$648.00
14	14	Calcium	36	3 Plants - Monthly	ea	\$10.00	\$360.00
15	15	Total Alkalinity	36	3 Plants - Monthly	ea	\$12.00	\$432.00
16	16	Chemical Oxygen Demand (COD)	1	As Needed	ea	\$20.00	\$20.00
17	17	Total Kjeldahl Nitrogen (TKN)	1	As Needed	ea	\$18.00	\$18.00
18	18	Total dissolved Solids (TDS)	1	As Needed	ea	\$10.00	\$10.00
19	19	Sodium (Na)	1	As Needed	ea	\$10.00	\$10.00
20	20	Chloride (CL)	1	As Needed	ea	\$12.00	\$12.00
21	21	Sulfate (SO4)	1	As Needed	ea	\$12.00	\$12.00
22	22	Arsenic Total Recoverable (As)	1	As Needed	ea	\$10.00	\$10.00
23	23	Nephelometric Turbidity Unit (NTU)	1	As Needed	ea	\$10.00	\$10.00

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Line Item	Item No.	Description	Estimated Quantity Per Year	Frequency Per Year	Unit of Measure	Price Per Analysis	Total
24	24	Lead Total Recoverable (Pb)	1	As Needed	ea	\$10.00	\$10.00
25	25	Cadmium Total Recoverable (Cd)	1	As Needed	ea	\$10.00	\$10.00
26	26	Chromium Total Recoverable (Cr)	1	As Needed	ea	\$10.00	\$10.00
27	27	Nitrite (NO2)	1	As Needed	ea	\$8.00	\$8.00
SECTION III - ANALYSIS OF WASTEWATER TREATMENT PLANT - DIGESTED SLUDGE FOR LAND APPLICATION							
28	28	Sludge Analysis	3	3 Plants - Annually	ea	\$152.00	\$456.00
SECTION IV - ANNUAL ANALYSIS FOR PRIMARY AND SECONDARY DRINKING WATER STANDARDS - 24-HR COMPOSITE							
29	29	Dioxin and Gross Alpha	3	3 Plants - Annually	ea	\$350.00	\$1,050.00
30	30	Asbestos (if required)	1	As Needed	ea	\$225.00	\$225.00
SECTION V - ANALYSIS OF MONITOR WELLS FOR PERMIT RENEWAL/WASTEWATER							
31	31	Dioxin and Gross Alpha	5	5 Wells at 1 Plant Prior to Permit Renewal	ea	\$350.00	\$1,750.00
SECTION VI - ANALYSIS OF EFFLUENT (24 HR. COMPOSITE) FOR PERMIT RENEWAL							
32	32	Analysis of Effluent	1	As Needed	ea	\$1,200.00	\$1,200.00
33	33	Asbestos (if required)	1	As Needed	ea	\$250.00	\$250.00
SECTION VII - YEARLY ANALYSIS OF DRINKING WATER WELLS							

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Line Item	Item No.	Description	Estimated Quantity Per Year	Frequency Per Year	Unit of Measure	Price Per Analysis	Total
34	34	Chloride	60	15 Wells - Quarterly	ea	\$12.00	\$720.00
35	35	Sulfate	60	15 Wells - Quarterly	ea	\$12.00	\$720.00
36	36	Total Dissolved Solids	60	15 Wells - Quarterly	ea	\$10.00	\$600.00
SECTION VIII - YEARLY ANALYSIS FOR WATER TREATMENT PLANTS							
37	37	Nitrate/Nitrite	30	30 Sites - Annually	ea	\$12.00	\$360.00
38	37a	1040 – Nitrate (Unit price only)	1	As Needed	ea	\$12.00	\$12.00
39	37b	1041 – Nitrite (Unit price only)	1	As Needed	ea	\$12.00	\$12.00
40	38	Volatile Organics	24	24 Sites - Annually	ea	\$60.00	\$1,440.00
41	39	Lead and Copper	70	Based on population density. Estimated at 70 sites x once per year	ea	\$22.00	\$1,540.00
42	39a	1030 - Lead Pb (Unit price only)	1	As Needed	ea	\$11.00	\$11.00
43	39b	1022 - Copper Cu (Unit price only)	1	As Needed	ea	\$11.00	\$11.00
44	40	Total Trihalomethanes	20	5 Sites - Quarterly	ea	\$40.00	\$800.00

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Line Item	Item No.	Description	Estimated Quantity Per Year	Frequency Per Year	Unit of Measure	Price Per Analysis	Total
45	41	Radiological	24	24 Sites - Annually	ea	\$195.00	\$4,680.00
46	41a	Combined Uranium (U-234, U-235, U-238)	1	As Needed	ea	\$15.00	\$15.00
47	41b	Gross Alpha (excluding Uranium)	1	As Needed	ea	\$40.00	\$40.00
48	41c	Radium 226	1	As Needed	ea	\$70.00	\$70.00
49	41d	Radium 228	1	As Needed	ea	\$80.00	\$80.00
50	42	Primary Inorganics (including Nitrate and Nitrite)	24	24 Sites - Annually	ea	\$135.00	\$3,240.00
51	42a	1005 – Arsenic (Unit price only)	1	As Needed	ea	\$8.00	\$8.00
52	42b	1094 – Asbestos (Unit price only, do not include in cost of Primary Inorganics)	1	As Needed	ea	\$250.00	\$250.00
53	42c	1010 - Barium	1	As Needed	ea	\$8.00	\$8.00
54	42d	1015 - Cadmium	1	As Needed	ea	\$8.00	\$8.00
55	42e	1020 - Chromium	1	As Needed	ea	\$8.00	\$8.00
56	42f	1024 - Cyanide	1	As Needed	ea	\$25.00	\$25.00
57	42g	1025 - Fluoride	1	As Needed	ea	\$12.00	\$12.00
58	42h	1035 - Mercury	1	As Needed	ea	\$15.00	\$15.00
59	42i	1036 - Nickel	1	As Needed	ea	\$8.00	\$8.00
60	42j	1045 - Selenium	1	As Needed	ea	\$8.00	\$8.00
61	42k	1052 - Sodium	1	As Needed	ea	\$8.00	\$8.00

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Line Item	Item No.	Description	Estimated Quantity Per Year	Frequency Per Year	Unit of Measure	Price Per Analysis	Total
62	42l	1074 - Antimony	1	As Needed	ea	\$8.00	\$8.00
63	42m	1075 - Beryllium	1	As Needed	ea	\$8.00	\$8.00
64	42n	1085 - Thallium	1	As Needed	ea	\$8.00	\$8.00
65	42o	Lead	1	As Needed	ea	\$8.00	\$8.00
66	43	Secondary Contaminants	24	24 Sites - Annually	ea	\$120.00	\$2,880.00
67	43a	1002 - Aluminum	1	As Needed	ea	\$8.00	\$8.00
68	43b	1028 - Iron	1	As Needed	ea	\$8.00	\$8.00
69	43c	1032 - Manganese	1	As Needed	ea	\$8.00	\$8.00
70	43d	1050 - Silver	1	As Needed	ea	\$8.00	\$8.00
71	43e	1095 - Zinc	1	As Needed	ea	\$8.00	\$8.00
72	43f	1905 - Color	1	As Needed	ea	\$20.00	\$20.00
73	43g	1920 - Odor	1	As Needed	ea	\$20.00	\$20.00
74	43h	1925 - pH	1	As Needed	ea	\$10.00	\$10.00
75	43i	1930 - Total Dissolved Solids	1	As Needed	ea	\$12.00	\$12.00
76	43j	2905 - Foaming Agents	1	As Needed	ea	\$25.00	\$25.00
77	43k	Copper	1	As Needed	ea	\$8.00	\$8.00
78	43l	Chloride	1	As Needed	ea	\$12.00	\$12.00
79	43m	Sulfate	1	As Needed	ea	\$12.00	\$12.00

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Line Item	Item No.	Description	Estimated Quantity Per Year	Frequency Per Year	Unit of Measure	Price Per Analysis	Total
80	44	Synthetic Organic Contaminants	24	24 Sites - Annually	ea	\$600.00	\$14,400.00
81	44a	2063 - 2,3,7,8-TCDD (Dioxin) (1746-01-6) Unit price only, do not include in cost of S.O.C.s	1	As Needed	ea	\$350.00	\$350.00
82	44b	2105 - 2,4-D (94-75-7)	1	As Needed	ea	\$90.00	\$90.00
83	44c	2110 - 2,4,5-TP (Silvex) (93-72-1)	1	As Needed	ea	\$0.00	\$0.00
84	44d	2050 - Atrazine (1912-24-9)	1	As Needed	ea	\$135.00	\$135.00
85	44e	2306 - Benzo(a)pyrene (50-32-8)	1	As Needed	ea	\$0.00	\$0.00
86	44f	2046 - Carbofuran (1563-66-2)	1	As Needed	ea	\$0.00	\$0.00
87	44g	2959 - Chlordane (57-74-9)	1	As Needed	ea	\$90.00	\$90.00
88	44h	2031 - Dalapon (75-99-0)	1	As Needed	ea	\$0.00	\$0.00
89	44i	2035 - Di(2-ethylhexyl adipate (103-23-1)	1	As Needed	ea	\$0.00	\$0.00
90	44j	2039 - Di(2-ethylhexyl phthalate (117-81-7)	1	As Needed	ea	\$0.00	\$0.00
91	44k	2931 - Dibromochloropropane (DBCP)	1	As Needed	ea	\$0.00	\$0.00
92	44l	2041 - Dinoseb (88-85-7)	1	As Needed	ea	\$0.00	\$0.00
93	44m	2032 - Diquat (85-00-7)	1	As Needed	ea	\$75.00	\$75.00
94	44n	2033 - Endothall (145-73-3)	1	As Needed	ea	\$75.00	\$75.00
95	44o	2005 - Endrin (72-20-8)	1	As Needed	ea	\$0.00	\$0.00
96	44p	2946 - Ethelene dibromide (EDB)	1	As Needed	ea	\$40.00	\$40.00
97	44q	2034 - Glyphosate (1071-83-6)	1	As Needed	ea	\$75.00	\$75.00

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Laboratory Testing Services

Line Item	Item No.	Description	Estimated Quantity Per Year	Frequency Per Year	Unit of Measure	Price Per Analysis	Total
98	44r	2065 - Heptachlor (76-44-8)	1	As Needed	ea	\$0.00	\$0.00
99	44s	2067 - Heptachlor epoxide (1024-57-3)	1	As Needed	ea	\$0.00	\$0.00
100	44t	2274 - Hexachlorobenzene (118-74-1)	1	As Needed	ea	\$0.00	\$0.00
101	44u	2042 - Hexachlorocyclopentadiene (77-47-4)	1	As Needed	ea	\$0.00	\$0.00
102	44v	2010 - Lindane (58-89-9)	1	As Needed	ea	\$0.00	\$0.00
103	44w	2015 - Methoxychlor (72-43-5)	1	As Needed	ea	\$0.00	\$0.00
104	44x	2036 - Oxamyl EPA 531.1 (23135-22-0)	1	As Needed	ea	\$75.00	\$75.00
105	44y	2326 - Pentachlorophenol (87-86-5)	1	As Needed	ea	\$0.00	\$0.00
106	44z	2040 - Picloram (1918-02-1)	1	As Needed	ea	\$0.00	\$0.00
107	44aa	2383 - Polychlorinated biphenyls (PCBs)	1	As Needed	ea	\$0.00	\$0.00
108	44bb	2037 - Simazine (122-34-9)	1	As Needed	ea	\$0.00	\$0.00
109	44cc	2020 - Toxaphene (8001-35-2)	1	As Needed	ea	\$0.00	\$0.00
110	44dd	Xylene	1	As Needed	ea	\$40.00	\$40.00
111	45	Haloacetic Acids	24	24 Sites - Annually	ea	\$70.00	\$1,680.00

ADVANCED ENVIRONMENTAL LABORATORIES, INC. RESPONSE DOCUMENT REPORT
 ITB No. 25-T01014/JG
 Laboratory Testing Services

Line Item	Item No.	Description	Estimated Quantity Per Year	Frequency Per Year	Unit of Measure	Price Per Analysis	Total
112	46	Total Coliform	2,820	160 tests per month (based on population density) plus estimated 900 samples for unplanned line breaks or repairs.	ea	\$14.50	\$40,890.00
113	47	Calcium (CaCo2)	21	21 sites - Annually	ea	\$12.00	\$252.00
114	48	Total Alkalinity (CaCO3)	21	21 sites - Annually	ea	\$12.00	\$252.00
115	49	Conductivity	21	21 sites - Annually	ea	\$12.00	\$252.00
SECTION IX - WASTEWATER							
116	50	Fecal Coliform (Holding time: Max 8 hours before sample analyzation)	365	1 Plant, 7 days/week	ea	\$14.50	\$5,292.50
117	51	TSS - (Holding time: Max 7 days before sample analyzation)	365	1 Plant, 7 days/week	ea	\$10.00	\$3,650.00
SECTION X - All Drinking Water Systems and Plants							
118	52	Total Solids	24	24 Sites - Annually	ea	\$12.00	\$288.00
119	53	Volatile Suspended Solids (VSS)	24	24 Sites - Annually	ea	\$15.00	\$360.00

ADVANCED ENVIRONMENTAL LABORATORIES, INC. RESPONSE DOCUMENT REPORT
ITB No. 25-T01014/JG
Laboratory Testing Services

Line Item	Item No.	Description	Estimated Quantity Per Year	Frequency Per Year	Unit of Measure	Price Per Analysis	Total
120	54	Ortho-Phosphate	24	24 Sites - Annually	ea	\$15.00	\$360.00
121	55	Magnesium	24	24 Sites - Annually	ea	\$10.00	\$240.00
122	56	Lithium	48	24 Sites - Semi-Annually	ea	\$15.00	\$720.00
123	57	Emerging Contaminants in Water and Wastewater (EPA Methods: 533 or 537.1)	48	24 Sites - Semi-Annually	ea	\$195.00	\$9,360.00
TOTAL							\$151,567.50



PROCUREMENT DEPARTMENT

15470 FLIGHT PATH DRIVE ♦ BROOKSVILLE, FLORIDA 34604
P 352.754.4020 ♦ F 352.754.4199 ♦ W www.HernandoCounty.us

ADDENDUM # ONE (1)

TO
THE CONTRACT DOCUMENTS
FOR THE

Laboratory Testing Services

IN
HERNANDO COUNTY, FLORIDA

SOLICITATION NO. 25-T01014/JG

Bidders are required to acknowledge receipt of this Addendum via OpenGov prior to the time of the Bid Opening.

The following changes, additions are hereby made a part of the Contract Documents for the above-referenced Solicitation as fully and completely as if the same were fully set forth therein:

A. QUESTIONS AND ANSWERS

- 1.Q. General Requirements 7.2 A1 page 37. Is this for drinking water only concerning the method requirements for total coliform and e.coli?**
- 1.A. Page 37 Total Coliform and E. Coli are for Drinking Water only. Wastewater tests will be Fecal Coliform.
- 2.Q. Can the county please provide the incumbent unit rates for pricing?**
- 2.A. See Exhibit A attached to this Addendum No. 1.
- 3.Q. Line Item 12 for TN. Is this (TKN + NOx) or (TKN+ NO2+NO3)?**
- 3.A. Line item 12. TN includes TKN, NO2, NO3
- 4.Q. Line item 32 for Analysis of Effluent. Are the Disinfectant Residual, Disinfection byproducts, Rads (Gross A, Rad 226 and 228 and Uranium) required for this item? Can a comprehensive data report be provided to show all the required methods and parameters?**
- 4.A. Line Item 32 Analysis of Wastewater Plant EFF No disinfectant Residual By-Products. Please include Radium 226 & 228 as well as Gross Alpha and Uranium. No Asbestos required.
- 5.Q. Line item 37 Nitrate/Nitrite Is this to report the NOx or NO2 and NO3 separately?**
- 5.A. Report Nitrate and Nitrite separately. When Chain of Custody asks only for NO3 report that only.
- 6.Q. Line item 40 is for 524.2 drinking water 21 regulated VOC's?**
- 6.A. Line item 40. Drinking water VOCs and the annual testing on the department's wastewater plant effluents.



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7.Q. Line item 45 Radiologicals. Are reporting Gross A, Rad 226, Rad 228 and Uranium? Is the GA excluding or including Uranium?

7.A. Line item 45. Radiologicals -Gross Alpha (GA) is Radium 226, Radium 228 and including Uranium.

8.Q. Line Item 50 Primary Inorganics (include NO2 and NO3) Does this line include Asbestos?

8.A. Line item 50 "Primary Inorganics" does not include Asbestos however it is including NO2 & NO3.

9.Q. Page 49 Section VIII SOC Xylene is part of the SOC list of compounds. Xylene is a volatile not an SOC compound. Is this an error?

9.A. Yes, it is an error. Please see Item 1 of Section B, **CLARIFICATIONS**, of this Addendum No. 1.

10. Q. Line Item 122 for Lithium. Does this require Drinking Water certification?

10.A. Line item 122. Lithium requires Drinking Water Certification. This is now a part of EPA regulations included testing for the new UCMR5.

B. CLARIFICATIONS

1. In Section 8, PRICING PROPOSAL, Line Item 110 is revised as follows:

Line Item	Item No.	Description	Estimated QTY Per Year	Frequency Per Year	UOM
110	44dd	Xylene – This is not an SOC, please price as VOC	1	As Needed	EA

BOARD OF COUNTY COMMISSIONERS OF HERNANDO COUNTY, FLORIDA

Felicia Holmes, CPPB, NIGP-CPP, FCCM, Procurement Manager

For: Carla Rossiter-Smith MSM, PMP, GPC
Chief Procurement Officer

Exhibit A

Current Piggyback Pricing from the City of Jacksonville Beach

Type of Analysis	Unit Price per Analysis
Radionuclides	\$200.00
Asbestos	\$220.00
Copper	\$11.00
Lead	\$11.00
Inorganic Compounds 62-550 Table 1 including Nitrate & Nitrite	\$190.00
Nitrate & Nitrite (rules 62-550.500 & 62-550.512)	\$17.00
Total Trihalomethanes	\$40.00
Haloacetic Acids (HAA5)	\$85.00
Volatile Organic Compounds (62-550 Table 4)	\$80.00
Volatile Organic Compounds (62-550 Table 5)	\$80.00
Synthetic Organic Compounds (62-550 Table 5)	\$600.00
Secondary Drinking Water Standards (62-550 Table 6)	\$138.00
Total Coliform	\$12.00
Total Hardness	\$16.00
Total Chromium	\$11.00
Iron	\$11.00
Total Phosphorus	\$18.00
Total Dissolved Solids	\$10.00
Total Solids	\$10.00
Total Recoverable Metals	\$20.00
Ortho phosphorus	\$17.00
Phosphorus	\$18.00
Nitrate/Nitrate	\$17.00
Total Nitrogen (non-contract price)	\$39.00
Oil & Grease	\$45.00
Total Phenols	\$44.00
Methylene Blue Active Substances	\$35.00
Ammonia	\$15.00
Salinity	\$13.00
Cadmium	\$11.00
TKN	\$18.00
Fecal Coliform	\$15.00
Aluminum	\$11.00

Zinc	\$11.00
Turbidity	\$9.00
Biochemical Oxygen Demand	\$18.00
CBOD	\$18.00
Chemical Oxygen	\$12.00
Total Suspended Solids	\$10.00
Cryptosporidium & Giardia	\$770.00
Primary Drinking Water Standards	\$945.00
Secondary Drinking Water Standards	\$138.00
Group Quarterly Groundwater Standards for wastewater plant monitoring wells (See group listed below 1)	\$85.00
Total Phosphorus as P	\$18.00
Total Cyanide as CN	\$35.00
Arsenic	\$11.00
Barium	\$11.00
Mercury	\$20.00
Selenium	\$11.00
Enterococci	\$45.00
CBOD5	\$18.00
Total Recoverable Copper	\$11.00
Total Recoverable Mercury	\$20.00
Total Recoverable Nickel	\$11.00
Total Ammonia as N	\$18.00
Total Kjeldahl Nitrogen as N	\$16.00
Sodium	
Wastewater Annual Sludge (Was not on contract)	\$319.00
Sodium	\$11.00
Conductivity	\$13.00
Calcium (non-contract)	\$11.00
Chlorides	\$15.50
Chloride, Sulfate and TDS (non-contract)	\$41.00

Non-Contract Items with City of Jacksonville Beach	
Uranium Method 200.8	\$11.00
VOC's	\$80.00
SOC's	\$600.00
Primary Inorganics	\$190.00
Secondaries Inor	\$138.00

Nitrate / Nitrite	\$17.00
Lead and Copper	\$22.00
Annual TTHMS and HAA5S	\$125.00
Quarterly TTHMS and HAA5S	\$125.00
Quarterly Chloride, Sulfate, and TDS	\$41.00
(21) Total Alkalinity	\$18.00
(21) Calcium	\$11.00
(0) Asbestos	\$220.00
(20) Conductivity	\$13.00

(1) Each Wastewater Plant Groundwater Monitoring Well will be analyzed for the following parameters¹

Nitrate
Total Dissolved Solids (TDS)
Arsenic, Total Recoverable
Chloride (as Cl)
Cadmium, Total Recoverable
Chromium, Total Recoverable
Lead, Total Recoverable
Coliform, Fecal
Sulfate, Total
Turbidity
Sodium, Total Recoverable

Excerpt From AEL Quality Manual Section 7

7.0 Facilities and Equipment

- 7.1 AEL consists of eight laboratories that are located in Jacksonville, Tampa, Miami (Miramar), Gainesville, Orlando (Altamonte Springs), Tallahassee, Fort Myers, and Lake Placid.
- 7.2 AEL Jacksonville is a full-service laboratory and is also the home of the corporate headquarters. AEL Tampa and AEL Miami are also full-service laboratories. AEL Gainesville, Orlando, Tallahassee, Fort Myers, and Lake Placid perform inorganic chemistry and microbiology testing.
- 7.3 The goal of AEL is to provide its employees with the most current technologically advanced equipment sufficient to meet or exceed all maximum contaminant limits or method detection limits, as required by the regulatory agencies, FDEP or EPA. AEL continually updates its equipment to keep up with the changes in technology and regulations.
- 7.4 The facilities are of sufficient size to meet all analytical and regulatory requirements.
- 7.5 The certification and scope of accreditation for each facility are maintained in the custody of the QA Officer with copies on the designated Quality Assurance (Q)drive of the AEL networked servers.
- 7.6 The attached spreadsheets comprising the majority of this section, provide an inventory listing of the equipment stored in each facility, separated by room number of each individual laboratory. All instruments are assigned identification in the Laboratory Information Management System (LIMS) as follows:
 - 7.6.1 Site Location: J for Jacksonville; T for Tampa; A for Orlando; G for Gainesville; M for Miami; S for Tallahassee; F for Fort Myers; and L for Lake Placid.
 - 7.6.2 Room Location: The room numbers are listed at the top in the following pages.
 - 7.6.3 Letter Designation: Each instrument is assigned a one or two letter identifier.
 - 7.6.4 As an example, the first GC/MS in Jacksonville would be assigned J7A, which corresponds to Jacksonville, Room 7, instrument A.
- 7.7 Electronic Records, bench sheets, and data sheets will also reference the instrument ID using the assignment conventions as listed above in

section 7.6. Model and Serial Number can also be referenced on bench sheets but are not required. However, the physical identification on the instrument itself shall only need to consist of the letter designation only. Each room is to be identified by number on or near the entryway into the room. Lab location is self-evident.

- 7.8 Copies of the floor plans of the individual facilities are maintained current on the designated Quality Assurance (Q) drive of the AEL networked servers.
- 7.9 For the most current equipment list for each laboratory location, please contact the QA department.

Location	ID	Instrument Type	Instrument Make and Model
A1	A	Incubator	Total Coliform Incubator, Gallenkamp, S/N SG.92.12.036
A1	B	Waterbath	Fecal Waterbath, Blue M MW-1110A-1, S/N M5-12364
A1	C	Colony Counter	Colony Counter, Quebec 3325, S/N None
A1	D	Autoclave	Autoclave, Market Forge STM-E, S/N 173491
A1	E	BT sure incubator	Model # DB104115, Serial # 1041021175479
A1	FF	Balance	AE106 Balance s/n 38600 067 10
A1	G	pH Meter	HACH HQ440d multi,SN 150500000400
A1	GP	pH Meter Probe	HACH pHc201, SN 211262611344
A1	H	Refrigerator	Refrigerator, Hotpoint HT516ABMFRWW, S/N VF752407
A1	I	Dessicator	Dessicator #1
A1	J	Dessicator	Dessicator #2
A1	K	Pump	Marathon Electric Pump/Motor SN: J08J070092
A1	L	Pump	Imagitarium Powerhead Pump SN: E487688
A1	M	Millipore EZ-Pak	Millipore EZ-Pak Model: EZDISP001, Serial #: 006714
A1	MM	Dessicator	Dessicator
A1	N	Hot Plate	Thermo Hot/Stir plate SP88857100 S/N:C371001810652422
A1	O	Manifold	3-place manifold, Gelman 15402
A1	P	Conductivity Meter	Mettler-Toledo SN: 1227077080
A1	PP	Conductivity Meter Probe	Mettler-Toledo Inlab 731
A1	PP	UV Lamp	Spectroline UV Lamp SM#1291640
A1	Q	Quantitray Sealer	IDEXX Sealer Plus Model: 89-0003936-00, Serial #: QTP13193400207
A1	QQ	Hot Plate	Corning Stirrer/Hot Plate, Model #: PC-420, Serial #: 430506101001
A1	R	Manifold	3-place manifold, Gelman 15402
A1	S	Pump	Micro Waterbath Head Power Pump no Serial #: Power Head IMAG-PH1
A1	T	Waterbath	Thermo Scientific, Model 2845, S/N - 219839-620
A1	V	Quanti-Tray Sealer Plus	IDEXX, Quanti-Tray Sealer Plus, Serial # QTP13193400207
A1	F	Millipore EZ-Pak	Millipore EZ-Pak Model: EZDISP001, Serial #: 8209
A2	A	Stirplate	Corning Mod PC-410, SN 350401235734
A2	AB	Bubbler	Bubbler/Air Pump no Serial #: AirTech-2K5 Penn-Plax
A2	AC	Portable BOD Incubator	N-Con BOD-Cubator Model 00-170T Serial # T050406
A2	B	Pump	Marathon Electric Pump/Motor SN: A14J80041
A2	BB	Refrigerator	Kool-it Model #KGM-75, SN 75170701003
A2	CLR	Nessler Tubes	Color Nessler Tubes
A2	D	Oven	Drying Oven, Fisher Model#516G, SN 502N0070
A2	E	DO Meter	Dissolved O2 Meter, YSI 5100 SN #06G1684 AI
A2	EP	DO Probe	YSI S/N 18G100113
A2	F	Incubator	CBOD/BOD Incubator
A2	FF	Oven	Fisher Scientific Isotemp Oven Model 625G S/N 1578071077248
A2	G	Oven	VWR Gr Con 3.7 CF, SN: 43091131
A2	G	Dessicator	Dessicator, Dry Keeper/Sanplatec, model: H42056-0001, SAN 12922546
A2	H	Dessicator	Dessicator, Fisherbrand model/cat# 08-642-23B
A2	HH	Weights	Weight Set
A2	J	pH Pen	pH Pen, Fisher, SN: 2318910
A2	K	Turbidimeter	HACH TL2300, S/N: 2023100C0098
A2	L	Spectrophotometer	Thermo Spectronic, Mdoel Genesys 20, SN: 3SGG280010
A2	M	Water Bath	Precision, Series 280, S/N: 604021321
A2	N	StableWeigh	Stable Weigh filling station SN:
A2	NN	Dessicator	Dry Keeper Dessicator Sanplatec Corp

Location	ID	Instrument Type	Instrument Make and Model
A2	Q	Pipette	Eppendorf Reference 100uL to 1000uL SN: 1192695
A2	S	Refrigerator	Husmann Refrigerator- 3 door
A2	T	Incubator	RCA RFR741, SN A2107405560000110
A2	X	Colorimeter	Hach Pocket II SN:1306E225105
A2	XX	Nitr Inhibitor Dispenser	Hach Nitrification Inhibitor Dispenser
A2	Y	Balance	AL-104 Balance Metler Toledo 1228430420
A3	A	Ion Chromatograph	930 Compact IC Flex, 19301200, SN: 1930120016146
A3	A	Ion Chromatograph autosampler	IC Autosampler Plus, 19190020, SN: 1919002006102
A3	U	Refrigerator	Frigidare HME030210N, SN: 340-91290201
A3	V	Refrigerator	GE Minifridge S/N: RF311750
A3	Z	Ion Chromatograph	Dionex ICS 1000 07120326
A3	Z-AS	Ion Chromatograph	Dionex Autosampler AS40 S/N:07120348
A4	A	Refrigerator	GE S/N: LV776914
A4	B	IR gun	Fisher Scientific Serial #: 160486988
F1	A	IR gun	Cen-Tech Class II SN: 364381506
F1	B	3 door Fridge	Saba Air ST-72RG SN: 66391715-17010601
F1	C	3 door Fridge	Saba Air ST-72RG SN: 66391715-17010604
F1	D	Ice Chest	Fridgidare FFFC09M1RW 1D54157671
F1	E	Fridge	Superior MT1B SN: 2503845
F1	F	Bottle-Top Dispenser	MICROLIT Bottle Top Dispenser Model #SCI-5 S/N: 20407557
F1	G	Bottle-Top Dispenser	MICROLIT Bottle Top Dispenser Model #SCI-5 S/N: 20407550
F1	H	Bottle-Top Dispenser	MICROLIT Bottle Top Dispenser Model #SCI-5 S/N: 22201204
F1	I	Fridge	procool CS-360, S/N 360WA20221220021
F2	D	Incubator	Curtin Matheson Scientific
F2	E	Filter Manifold	Gelman Science 15402
F2	H	UV Lamp	Spectroline EA-160 SN: 1108151
F2	I	UV Lamp	Black-Ray Lamp Model UVL-56 SN: 696
F2	K	Stirrer Hotplate	Thomas Scientific HOT/STIR 120V SN: 170-315003
F2	L	Water Bath	Thermo Scientific Precision Water Bath, Model 2864, S/N: 176654-2036
F2	N	Refrigerator (small)	IGLOO Model FR326M-C-Black, S/N A1709220820000664
F2	R	Incubator	Fisher Scientific 550D Isotemp Incubator
F2	S	Dispensor	Millipore Filter Dispensor
F2	V	QT Sealer	Idexx Quanti-Tray Sealer PLUS, 89-0003936-00, S/N QTP13231803867
F2	W	Autoclave	Tuttnauer Brinkman, 3545E-B/L, S/N 15101800
F2	X	Water Bath	Thermo Scientific Precision Water Bath, Model TSCIR19, S/N: 1300603367
F2	Y	Balance	Fristadenlab, HC20002X, SN: HC20002X-036 (Max. weight: 2000g, resolution: 0.01g)
F3	AA	CBOD aerator pump	Chaning Model CN-906 S/N:IPX004
F3	AB	Pipetter	4E's Scientific Pipettor, 1-10mL, S/N 22423187
F3	C	Filter Manifold	3 place manifold
F3	F	105C Oven	Curtin Matheson Scientific, Inc Model 4001/4 SN: 10AT-6
F3	G	180C Oven	Curtin Matheson Scientific, Inc Model D1578 SN: 10AW-3
F3	I	pH Meter	YSI Model Tru Lab pH 1110 SN: 15310110
F3	IP	pH Probe	YSI Model Tru Lab pH 1110 SN: 1705
F3	J	Conductivity Meter	Hach Model sensION 7 S/N: 09070C170005
F3	JP2	Conductivity Probe	Hach Model 51975-00 CND SN: 9259004
F3	JP3	Conductivity Probe	Hach Model 51975-00 CND SN: 0167176
F3	L	Pocket Colorimeter II	HACH Model HAH-14060501 SN: 17030E322394
F3	M	CBOD/BOD Incubator	VWR Cat #: 10753-894, S/N: 300383039
F3	N	Large Dessicator	Scenceware Model H42056-001 SN: 12922512
F3	O	Balance	Veritas, M214A, S/N CHA1800063

Location	ID	Instrument Type	Instrument Make and Model
F3	P	Stir Plate	BigWave IKA ColorSquid SN 03.001898
F3	Q	CBOD aerator pump	IMAG-AP1 Aquarium Air Pump
F3	R	TDS Station	Environmental Express Stableweigh Filling Station-Model TDS600F
F3	S	Digital Thermometer	Spere-Scientific Model 800011 S/N: 0510-22103
F3	T	Desicator	DryKeeper Sanplate
F3	U	Turbidity Meter	Hach 2100N Turbidimeter s/n 020400007507
F3	XX	Nitr Inhibitor Dispenser	Hach Nitrification Inhibitor Dispenser
F3	Y	CBOD/BOD Incubator	Fischer Isotemp Model#3720A, SN: 300545332
F3	Z	104C Oven	VWR Oven GR CON Cat#89511-406 SN: 43064023
F4	A	DO Meter	Meter-YSI Model 5010-115 SN: 17E10157
F4	B	Spectrophotometer	Thermo Spectronic Model Genesys 20 SN: 3SGK093011
F4	C	Pipetter	Eppendorf Reference 2, 1-10 mL, S/N I53007M
F4	D	Ion Chromatograph	Metrohm, model: 930 Compact IC Flex, SN: 001000767036
F4	DA	IC Autosampler	Metrohm, model: 919 IC Autosampler Plus, SN: 1919002008188
F4	E	Pipetter	Eppendorf Research plus, 100 - 1000 uL, S/N P12999M
F4	F	Pipetter	Eppendorf Reference 2, 100-1,000 uL, S/N I11837G
F4	K	Water Bath	VWR Model 211 SN: 102204
F4	M	Stir Plate	Corning Model PC-310 SN:03038068
F4	N	Burette	Nalgene 50ml
F4	P	Waterbath	Waterbath-Scientific Products-Model 13200, SN0973
F4	Q	Hot-block	Hot Block-Therolyne Cimarecl-Model HP46515, SN1067990220243
F4	S	Water Filter	Barnstead Nanopure, Water Filter Model D11931, S/N 1193020210419
F4	U	BOD Probe	BOD Probe-YSI 5010 BOD-lot 23B100403
F4	V	Refrigerator	Midea, Model MRM33S8ASL, SN: 541-310A0715-4703-1121941
G1	GLT-1	IR Gun	Digital Infared Thermometer Raytek Minitemp FS
G2	B	Coldroom	American Cold Storage/6909
G2	C	Refrigerator	Refrigerator with freezer-Holiday LR-1
G3	A	Weight set	SN 302 - 100, 50, 10, 1, 0.1 g set
G3	B	Ion Chromatograph	Metrohm 930 Compact IC Flex S/N: 1930200014153; 1858002005369
G3	B	Autosampler	Metrohm IC Autosampler Plus SN06108
G3	C	Autosampler	Autosampler QuAAtro SEAL/XY-2/4744A12633
G3	D	QUATTRO	SEAL/QuAAtro/7542206
G3	E	Weight set	SN HN3419 - 100, 50, 10, 1, 0.1, 0.001 g set
G3	F	TPTKN Digestion Block	SEAL Hot Block, SN: 5146U01696
G3	G	Digestion Block Controller	SEAL Block Controller, SN: 5146U01695
G3	H	pH Meter	Mettler Toledo Five Easy F20 SNC029710281
G3	I	Probe	Mettler Toledo/LE438
G3	J	Water Bath	Wards Science, B2000-12, SN MBG612U-55J
G3	K	pH Meter	pH Meter Fisher/Accumet Basic/08773
G3	L	Probe	Orion 9106BNWP
G3	M	Digestion Block	HACH P/N 45600-00 S/N 030300024258
G3	N	Vacuum Pump	GAST DOA-P704-AA 0907614360
G3	P	Spectrophotometer	Thermo Fisher/Aquamate 8000/2W2T327209
G3	Q	Spectrophotometer	Spectronic/Genesys 20/4001/4 (SN:3SGG285007)
G3	S	Vortexer	Thomas Scientific/Fixed Speed Vortex Mixer
G3	T	Stir Plate	Corning/PC131/322383
G3	U	Hot/Stir Plate	Thermo Scientific/Cimarec+ (SN:C3710011041625703)
G3	V	Turbidimeter	Hach/2100N/010300006795
G3	W	Burette #1	Alkalinity

Location	ID	Instrument Type	Instrument Make and Model
G3	X	Color Tester	Orbeco-Hellige Aquatester
G3	Y	TPTKN Digestion Block	Seal Analytical/50-place block (SN:5146U01263)
G3	Z	Meter	Chlorine Meter, Env. Express, Model 200, SN 2165591
G3	AA	Digestion Block	Hach COD Reactor SN# 971200016951
G3	AB	Incubator	CBOD/BOD Incubator Precision/815/600041515
G3	AO	Stir Plate	VWR Scientific/360/2281
G3	AP	API	Astoria Pacific A2
G3	AQ	DO Meter	YSI/5000/050022/13H 101776
G3	AR	DO Probe	YSI/5905
G3	AS	Vortexer	VWR Scientific/G-560/2-225462
G3	AT	Stir Plate	VWR 360 Stirrer (SN:2277)
G3	AV	Conductivity Meter	YSI/3100/00H1395
G3	AW	Chlorine Meter	Hach/Pocket/030200030726
G3	AY	TOC analyzer	Shimadzu/TOC-VCSH/H51104435219
G3	AZ	Autosampler	TOC autosampler Shimadzu/ASI-V/H52104401932
G3	BB	BALANCE	VWR-Model 124B2 SN#659029
G3	BC	Centrifuge	Damon IEC/ 42900893
G3	BE	Digestion Block	Cyanide Block Digester Westco/AD-40/20 Heater Base/1159
G3	BF	Controller	Cyanide Block Controller Westco/114-B400-01/1323
G3	BG	Vacuum Pump	Gast DOA-P704-AA (Solids)
G3	BI	Stir Plate	VWR Scientific/205/5859
G3	BO	Probe	Conductivity YSI 3252
G3	BR	digestion block	Seal Analytical/50-place block/5148U00498
G3	BS	digestion block	Seal Analytical/50-place block/5146U01264
G3	BV	Water bath	VWR 1228, SN:11098406
G3	BZ	Vacuum Pump	Gast DOA-P704-AA (Cyanide)
G3	KT	Temp Probe	Accumet
G3	VM	Manifold	Residue manifold
G3	XY	Aerator	Aqua Culture 111510
G3	YY	Hot Plate	Corning PC-35
G3	ZZ	Burette #2	Alkalinity
G4	A	Waterbath	BlueM/MW-1130-A1/M5-17669
G4	B	Autoclave	Tuttnauer Brinkmann/2340M/9712788
G4	C	Dessicator	Sanplatec Corp/Dry Keeper
G4	D	Dessicator	Sanplatec Corp/Dry Keeper
G4	F	Waterbath	Precision 66566 (SN:51220035)
G4	FS	Hot/Stir Plate	VWR/VMS-C4 (SN:C4/07.184059)
G4	G	Refrigerator	Frigidaire/FFTR1814TW0/BA74026903
G4	H	Incubator	Gallenkamp IPR225.XX1.1 (SN:SG92/08/113)
G4	J	UV Lamp	UVP, Inc./Black-Ray UVL56
G4	K	UV Sterilizer	Millipore/XX6370000
G4	L	Filter Funnel	Gelman Sciences Filter Funnel
G4	M	Filter Funnel	Gelman Sciences Filter Funnel
G4	N	Filter Funnel	Gelman Sciences Filter Funnel
G4	P	Filter Dispenser	Millipore/EZDISP001/00899
G4	Q	Funnel Manifold	Manifold for 3 Filter Assemblies/Gelman Scientific
G4	U	Vacuum Pump	Gast/0523-V191Q-G582DX/0006118657 - 4F740 (No Oil)
G4	V	Colony Counter	Gallenkamp CNW 325-030Y S/N: 13
G4	W	Qtray Sealer	Quantitray Sealer Plus IDEXX, SN#QT13164401504

Location	ID	Instrument Type	Instrument Make and Model
G4	X	Qtray Sealer	Quanti-Tray Sealer Plus IDEXX, SN#QTP13164601528
G5	A	Dessicator	NL
G5	B	Balance	VWR MOD: 124B2, SN: 695285
G5	C	Dessicator	Fisher
G5	F	Oven	VWR/1340
G5	G	Oven	Lindberg Blue/LO-3
G5	I	Balance	Mettler Toledo/A2104/1228420311
G5	K	Muffle Furnace	TableTop Furnace Company, SN: G5K20200416
G5	AO	Spec Standards	Thermo Fisher Standards Kit 333150-000, SN# SA0137
J1	A	GC-MS	Gas Chromatograph, Shimadzu, Model GC-2010Plus, Serial # 0215355 01145
J1	A	GC-MS	Mass Spectrometer, Shimadzu, Model GCMS-2010SE Serial # 0205355 50370
J1	A	GC-MS	Purge and Trap Concentrator, EST Analytical Model: ENCON Evolution Serial # EV879092117
J1	A	GC-MS	Autosampler, EST Analytical Model: Centurian W/S Serial # CENTS487022117
J1	A	GC-MS	GCMS Solution version 4.45
J1	E	GC-FID/TC	Gas Chromatograph: Perkin Elmer, Model Clarus 690, SN 690S23053005
J1	E	GC-FID/TC	Autosampler: Turbomatrix 40 Headspace Sampler, SN HS4052305024
J1	E	GC-FID/TC	Computer: Dell, Windows 10, SN WCAPMG9RS2Q3
J1	E	GC-FID/TC	Software: TotalChrome version 6.3
J1	H	Balance	Balance toploader max 720g, Citizen NV212 S/N: 8337466159
J1	J	Purifier	Water Purifier, Barnstead Ultrapure Water System Model D7031, Serial # 703930790239
J1	K	Refrigerator #1	Refrigerator S/N 6327171519060504
J1	L	Refrigerator #2	Refrigerator S/N 6188171519050305
J1	L9	Label Maker	Brother, S/N U62829-K4Z836771
J1	M	Refrigerator #3	Mini Refrigerator S/N A1710217860001802
J1	N	GC-MS	Mass Spectrometer, Shimadzu, Model: GCMS-QP2010SE, S/N 0210953 00777
J1	N	GC-MS	Gas Chromatograph, Shimadzu, Model: GC-2010Plus, S/N 0205353 50269
J1	N	GC-MS	Purge and Trap Concentrator, EST Encon Evolution, S/N EV371080211
J1	N	GC-MS	Autosampler, EST Analytical, Model: Centurian W, S/N CentW549041016
J1	N	GC-MS	GCMS Solution version 4.45
J1	O	Freezer #1	Freezer S/N WB54163918
J1	P	GC-FID/PID	Aglient 5890 Series II, SN: 2750A19127
J1	P	GC-FID/PID	OI Analytical Eclipse Model 4660 SN: 0607466345P
J1	P	GC-FID/PID	Autosampler, EST Analytical Model: Centurian W/S Serial #CENTS305051713
J1	P	GC-FID/PID	Chemstation G1701BA version B.01.00
J1	Q	Freezer #2	Freezer S/N 6056171419030804
J1	T	Refrigerator #4	Mini Refrigerator Model: DCR032CLBDB S/N: 5019083033130
J1	X	GC-FID	Perkin Elmer 600 GC/FID Autosystems SN: 56004A
J1	X	GC-FID	Total Chrome 6.3.2
J1	X	Headspace Anlayzer	Perkin Elmer Headspace Anlayzer HS-40 SN: 2595
J1	Z	GC-MS	Gas Chromatograph, Agilent, Model 6890N, SN US10533041
J1	Z	GC-MS	Mass Spectrometer, Agilent, Model 5973, SN US52440684
J1	Z	GC-MS	Purge and Trap Concentrator, EST Analytical Model: ENCON Evolution Serial # EVX1039020419
J1	Z	GC-MS	Autosampler, EST Analytical Model: Centurian W/S Serial # CENTS843011022
J1	Z	GC-MS	ULVAC Pump, SN 1747621A
J1	Z	GC-MS	Chemstation version E.02.02.1431
J10	AB	Balance	VWR-220B2T SN 691956
J10	AB	Balance	Software version: 2.2.2
J10	B	Hood	Air Science, Model PTEFH-48, SN# PTEFH70703
J10	C	TOC analyzer	OI Analytical Aurora, Model 1030, SN P044730653P

Location	ID	Instrument Type	Instrument Make and Model
J10	C	TOC analyzer	OI Analytical Solids, Option-1030S Solids 115V, Item 326917, SNA106733079
J10	C	TOC analyzer	PICG-1030W/1088/ATOC, 115V, Item 325254, SN21B104128
J10	C	TOC analyzer	Model TOC 1030W 110V, Item 322110, SN21B104056
J10	C	TOC analyzer	Software version: v1.4.2-SOM
J10	D	Desiccator	Secador Cat. No F42073-1000
J10	HG	Low Level Hg	Autosampler ASX-260 SN021511A260
J10	HG	Low Level Hg	Teledyne Quick Trace M-8000 S/N: US15268009 (Relocated to J2 on 04/02/2021 and back to J10 on 09/20/2021)
J10	HG	Low Level Hg	Software: 2015 Quik Trace Version 3.0.0
J11	A	LC/MS	Multisampler, Agilent, Model 1260 (G7167A), S/N DEAGX00166
J11	A	LC/MS	Binary Pump, Agilent, Model 1260 (G7112B), S/N DEAE900549
J11	A	LC/MS	Column Compartment, Agilent, Model 1260 MCT (G7116A), S/N DEAE18242
J11	A	LC/MS	QQQ (Triple Quad), Agilent, Model 6470 LC/TQ (G6470A), S/N SG1729D102
J11	A	LC/MS	Source, Agilent, Model G1958-65138, S/N SG17229039
J11	A	LC/MS	Rough Pump, Agilent, Model G1960-80040, S/N 1T20055079
J11	A	LC/MS	Computer with MassHunter software; Acquisition Version 10.0 SR1 - Build 10.0.142; Quant Version 10.1 - Build 10.1.733.0; 2006-2019
J11	B	Balance	Electronic Balance, Ohaus, Model SPX2202, S/N B941389328
J11	C	LC/MS	Multisampler, Agilent, (G71467B), SN DEBA406542
J11	C	LC/MS	High Speed Pump, Agilent, (G7120A), S/N DEBAY02357
J11	C	LC/MS	Column Compartment, Agilent, (G7116B), S/N DEBA406542
J11	C	LC/MS	QQQ (Triple Quad), Agilent, (G6495C), S/N SG2108D202
J11	C	LC/MS	Source, Agilent, Model G1958-67638/ S/N is SG23319057
J11	C	LC/MS	Rough Pump, Agilent, Model G2571-64000/ S/N IT2342N014
J11	C	LC/MS	Computer with MassHunter software; Acquisition Version 10.0 SR1 - Build 10.0.142; Quant Version 10.1 - Build 10.1.733.0; 2006-2019
J11	D	Refrigerator	Mini Refrigerator, Danby, Model DAR033A6BSLDB, S/N 4319023068347
J11	E	Vortex	Miniature Vortex Mixer, Ward's Science, Model BV101-R, S/N 19091938
J11	G	Refrigerator	Refrigerator, Atosa Model MCF8705GR, S/N MCF8705GRAUS100320011000C40017
J11	J	LC/MS	Sci-Ex ExionLC system consisting of nine components
J11	J	LC/MS	ExionLC Reservoir Tray - cat# 5036645 - S/N ABRES5905434
J11	J	LC/MS	ExionLC Controller - cat# 5036643 - S/N ABCBM6074998
J11	J	LC/MS	ExionLC AC Column Oven - cat# 5036659 - S/N AB2CT6050855
J11	J	LC/MS	ExionLC Degasser - cat# 5036646 - S/N ABDG55975407
J11	J	LC/MS	ExionLC AC Pump - cat# 5036649 - S/N ABDXR6073198
J11	J	LC/MS	ExionLC AC Pump - cat# 5036649 - S/N ABDXR6073199
J11	J	LC/MS	ExionLC AC Autosampler - cat# 5036650 - S/N ABCXR5971372
J11	J	LC/MS	ExionLC MassSpec ASSY N 5068379; Rev Y; Triple Quad 5500+; S/N EX236312211"
J11	J	LC/MS	Computer with SciexOS software; Version 3.3.0.12027; 10/30/2023
J11	H	LC/MS	Multisampler - model G7167B - S/N - DEBAS04261
J11	H	LC/MS	Pump - 1290 - model G7120A - S/N - DEBA204474
J11	H	LC/MS	Column compartment - model G7116B - S/N - DEBA411206
J11	H	LC/MS	QQQ - model 6495C - S/N - SG2307D207
J11	H	LC/MS	Jet Stream Source - model G1958 - S/N - SG25039028
J11	H	LC/MS	Rough Pump, Agilent, Model G2571-64000
J11	H	LC/MS	HP Computer - S/N MXL4374V7B - MassHunter software; Acquisition Version 10.0 SR1 - Build 10.0.142. Quant Version 10.1/Build 10.1.733.0; 2006-2019
J11	K	HPLC	HPLC with Post Column reactor consisting of nine components
J11	K	HPLC	Agilent 1100 Series Quaternary Pump, Model G1311A, Serial # DE62969927
J11	K	HPLC	Agilent 1100 Series Degasser, Model G1379A, Serial # JP13212634
J11	K	HPLC	Agilent 1100 Series Autosampler, Model G1313A, Serial # DE33224082
J11	K	HPLC	Agilent 1100 Series Thermostatted Column Compartment, Model G1316A, Serial # DE33237128
J11	K	HPLC	Agilent 1100 Series Fluorescence Detector(FLD), Model G1321A, Serial # DE40506271

Location	ID	Instrument Type	Instrument Make and Model
J11	K	HPLC	Agilent 1100 Series Diode Array Detector(DAD), Model G1315B, Serial # DE22616014
J11	K	HPLC	Mulan Laboratory Post Column Reactor, ASI Model 310-0501B, S/N: 1801
J11	K	HPLC	Pickering Vector PCX post-column reactor; P/N-1154-4051; S/N - 0224400
J11	K	HPLC	Computer with Agilent OpenLAB version 2.2.0; revision C.01.08(210); 2001-2017
J11	L	Centrifuge	VWR Centrifuge, PN 76018-988, S/N: LC19AAG0000005
J11	N	Refrigerator	Refrigerator, WH35S1E, SN 18AA52200050691
J11	Q	Label Maker	Zebra 120542-004 LP2824, SN 22J141400998
J11	R5	Regulator	Nitrogen Regulator
J11	S	HPLC	Thermo Scientific Vanquish System consisting of six components
J11	S	HPLC	Column compartment (inside) - model VC-C10-A; S/N 6508913
J11	S	HPLC	Column compartment (outside) - model VC-C10-A; S/N 6508950
J11	S	HPLC	Variable wavelength detector (top) - model VC-D40-A; S/N 8328758
J11	S	HPLC	Variable wavelength detector (bottom) - model VC-D40-A; S/N 8329087
J11	S	HPLC	Dual split autosampler - model VF-A40-A; S/N 8329874
J11	S	HPLC	Dual pump - model VC-P32-A; S/N 8329722
J11	S	HPLC	Computer - Chromeleon 7.3 software; Version 7.3; 2009-2020
J12	A	AutoShaker	Four E's Scientific Model: MI0103002 Double S Orbital and Linear Shaker Serial#: MYN000107
J12	B	Hood	8' Fisher American Chemical Fume Hood, Serial N/A (Custom Built Hood)
J12	BB	Manifold	Big Block Fishbowl manifold. No serial number.
J12	C	Evaporator	N-Evap 111, Organomation, Model 5585, S/N 63234
J12	D	Vacuum Pump	Vacuum Pump, GAST Model S55JXTJN8535 SNG588NDX 1022001521
J12	S	Centrifuge	VWR Megastar 4.0, 76468-138, 230601, 43174222, SN 75009046, Software 617V3
J12	DW	Manifold	Restek Resprep QR-12, Fishbowl Manifold no serial number
J12	F	Manifold	Restek Resprep QR-12, Fishbowl Manifold no serial number
J12	G	Balance	Cole Palmer PB-300 SN 684575
J12	H	Manifold	Restek Resprep QR-12, Fishbowl Manifold no serial number
J12	I	Vacuum Pump	Vacuum Pump, GAST Model S55JXTJN8535 SNG588NDX 0822013129
J12	J	Evaporator	N-Evap Organomation, Model 11645-NT, S/N Bath 64750, S/N Instrument 5400
J12	K	Refrigerator #2	Refrigerator, Frigidaire, Model MET18DNGW1, S/N BA03206471
J12	M	Refrigerator #1	Refrigerator, GE, Model TBX18LLB, S/N TD570495
J12	M1	Evaporator	N-Evap 111, Organomation, Model 5585, S/N 63832
J12	MF	Manifold	Restek Resprep QR-12, Fishbowl Manifold no serial number
J12	N	Clinical Centrifuge	VWR, Cat No C3303, SN FC330321221114
J12	O	Clinical Centrifuge	VWR, Cat No C3303, SN FC330320926068
J12	P	Clinical Centrifuge	VWR, Cat No C3303, SN FC330320926064
J12	Q	Vortex Mixer	VWR, BV205-VW Mini Vortex Mixer, SN23030310
J12	E	Automated SPE System	Promochrom, Presto SPE 202503002P; OS: Windows 2006, version 6.0 (Build 3122), Presto Software: 1.7.0.25034, Main Firmware: 45, Presto Firmware: 17.
J12	R	Automated SPE System	Promochrom, SPE-03 Automated SPE, SN202310026; OS - SPE03-PLUS, software: 2.4.1.23293; firmware v19; 2023
J12	L	Automated SPE System	Promochrom, SPE-03 Automated SPE, SN202310015; OS - SPE03-PLUS, software:2.5.0.24165; firmware v45; 2024
J12	W	Automated SPE System	Promochrom, SPE-03 Automated SPE, SN202411011; OS - SPE03-PLUS, software:2.5.0.24165; firmware v45;2024
J13	E3	Dessicator	Dessicator, orange box.
J13	G	Manifold	O&G vacuum Manifold 6 position-custom
J13	H2	Hot Plate	Hot Plate, Corning Model PC-600D S/N 013606286531
J13	N	Kiln	Cress Electric Kiln (240AC 23A), Model B-18-H, SN# 6606
J13	V2	Vacuum Pump	Vacuum Pump, Millipore S/N 030800000525
J14	A	Upright Refrigerator	Model D55RG, 115VAC, 60Hz, 730W, 8.6A, R290/4 58oz, 3120484 DUKERS
J14	B	Hood	Erlab, Model Captair 481 Smart S/N: 4481-1902 (Moved from J10 09/10/2021)
J14	SO	Oven	Quincy Lab, Inc. Model 10GC, SN G1-021012
J14	C	Freezer	GE, FUF21QRRWW FZ90H1D-U, SN 540-T1436101-3A21-09207028

Location	ID	Instrument Type	Instrument Make and Model
J14	BC	Barcode Reader	Wonenice Barcode Scanner PN WN6300 S/N X001QAOWQL Plug-and-Play
J15	C	Balance	Cole Palmer PB-350-2000I SN 656147, 2Kg, d0.01g
J15	C	Balance	Software version: 1.0
J15	H1	Hydrometer	151H
J15	H2	Hydrometer	152H-05 g/L Brand: VEE GEE. SN 954153
J15	H3	Hydrometer	152H-05 g/L Brand: VEE GEE. SN 954217
J15	FZ	Freezer	Wood's Freezer Model C05BBA Serial # 01705046CJ
J15	P	Cooling Unit	Cole Parmer low temperature cooler; Model # P60N2C101B; serial # 2111-02663
J15	B	Control Grain Size Equipment	Milkshake maker, Waterbath, EDEN Water pump, Theo200 heater
J15	3/8A	Sieve	W.S. Tyler SN231621130
J15	3/4A	Sieve	W.S. Tyler SN231621128
J15	1 1/2A	Sieve	W.S. Tyler SN231621127
J15	3 1/2A	Sieve	W.S. Tyler SN231621126
J15	4A	Sieve	W.S. Tyler SN231621129
J15	8A	Sieve	W.S. Tyler SN230221810
J15	10A	Sieve	W.S. Tyler SN242430001
J15	16A	Sieve	W.S. Tyler SN231124585
J15	20A	Sieve	W.S. Tyler SN242330947
J15	40A	Sieve	W.S. Tyler SN231124589
J15	50A	Sieve	W.S. Tyler SN231124561
J15	60A	Sieve	W.S. Tyler SN242530435
J15	80A	Sieve	W.S. Tyler SN242430754
J15	100A	Sieve	W.S. Tyler SN231022532
J15	200A	Sieve	W.S. Tyler SN231230027
J15	200B	Sieve	W.S. Tyler SN242430392
J16	A	Rotator	Rotary Extractor, Lars Lande Mfg, Serial #1270
J16	B	Rotator	Environmental Express, Model LE1002, SN 2022128622025
J16	C	Hood	Air Science, Model Pur Air P5-48-XT S/N P90212
J16	D	Rotator	Analytical Testing Corp., Model 42R6BFCI-FX3, SN 5685WKAJ0007
J16	E	Oven	Stable Temp, Cole Palmer, SKU 52412-88, SN 1B045129
J16	G	Balance	Cole Palmer PG-300-2000 SN 754748
J16	G	Balance	Software version: 1.0
J16	PH	pH meter	Fisher Accumet pH Meter 25 S/N C0000676
J16	PH-P	pH meter probe	Probe information in maintenance log books
J16	PH-P3	pH meter probe	Probe information in maintenance log books
J16	S	Hotplate/Stirrer	Cole Parmer Multi Hotplate/Stirrer Stuart SB162-3 S/N R360002135 (Position 1, 2, 3)
J16	ST	Stir Plate	5 position stir plate, model 505C, SN: 1709070505537
J16	T	Torque Wrench	Seekonk Precision Tools BT-2R at 48 In.lbs
J16	V6	Vacuum	Vacuum Pump, GAST Model S55JXTJN8535 SN: 0525021208
J17	A	Sieve Shaker	Humbolt Sieve Shaker, H-4325
J2	F2	Flashpoint Instrument	LazarScientific Stanhope Setaflash 33270-0U Series3 (Active Cool),SN1090708,82100/90/1,25610/47
J2	F2	Flashpoint Software	V 3.1.3 Series 3 Stanhope Seta PIC V 2.1.1
J2	A1	Alkalinity Burette	VWR, Burette, PTFE STPCK SLZD, CLS A 25mL, SN GL3721
J2	AA	Karl Fisher	Karl Fisher AQV-300 Aquacounter S/N 9421026-03
J2	B	Refrigerator	Refrigerator, Danby Designer Model DAR044A4WDD-6, SN 4321013065342
J2	B3	Balance	Balance, Mettler Toledo XS205 SN:1123181555
J2	B3	Balance	Weigh bridge software version: 4.24
J2	B3	Balance	Terminal software version: 4.20
J2	B3	Balance	RS-232 Acquisition software/version: Winwedge/3.5.1

Location	ID	Instrument Type	Instrument Make and Model
J2	B4	Balance	Balance, VWR-220B2T, SN:691952
J2	B4	Balance	Software version: 2.2.2
J2	B4	Balance	RS-232 Acquisition software/version: Winwedge/3.5.1
J2	BC	Barcode Reader	Wonenice Barcode Scanner PN WN6300 S/N 202011260786 Plug-and-Play
J2	BC4	Barcode Reader	Wonenice Barcode Scanner PN WN6300 S/N 202307238426 Plug-and-Play
J2	BC5	Barcode Reader	Wonenice Barcode Scanner PN WN6300 S/N 202401030418 Plug-and-Play
J2	C1	Reactor block	Hach COD Reactor Model: DRB200 S/N 21080C0427
J2	C1	Reactor block	Software version: V.1.3.5
J2	CLR	Color	Nessler tubes, matched, 50 mL, tall form
J2	D1	DO Meter	DO Meter, YSI 5000 S/N 090100530 w/ Probes YSI Model 5010
J2	D1	DO Meter	Software version: 1.203
J2	D1P1	DO Meter Probe	Probe information in maintenance log books (Lot 19M100051)
J2	D1P2	DO Meter Probe	Probe information in maintenance log books (Lot 20K100117)
J2	E2	Dessicator	Dessicator, Bel-Art Products, Secador Cat# 4207411116 S/N 5011
J2	E3	Dessicator	Dessicator, Bel-Art Products, Secador Cat# 4207411116
J2	E4	Dessicator	Dessicator, Bel-Art Products, Secador Cat# 4207411116
J2	F1	Flashpoint	Flash Point Tester, Erdco S/N 539829 (Moved to Room J10 on 04/05/2021, and back to J2 on 09/10/2021)
J2	FR	Flowrater	Dwyer Flowrater Model RMA-14-TMV, SN# 6823
J2	HP	Hot Plate	Hot Plate with stir, Thermo Scientific, Cimarec+, S/N C3010018041627041
J2	HP2	Hot Plate	Hot Plate, Thermo Scientific, HP88850100 S/N M1010024102485176
J2	I	Incubator	BOD Incubator, Thermo Precision Low Temp. Incubator S/N 101N0040
J2	IG	Burn Mold	Phipps Bird, Burn Mold Model #AD-MOLD-173 w/ Ceramic Base AD1000-0463, Lot #64390
J2	J	Incubator	BOD Incubator, VWR Model TFFU20F2QWB S/N WB94081089; Thermo Model 3733A S/N 300389672
J2	L	Color/Chlorine meter	HACH DR300 SN22020B000669, Firmware V1.08
J2	M	Filter Funnels	6 Filter funnels Gelman Scientific
J2	M	Manifold	Manifold for 6 funnels S/N 0057
J2	NC	Conductivity Meter	Conductivity Meter, Mettler Toledo, Model SevenMulti, S/N 1228035080
J2	NC	Conductivity Meter	Software version: 2.00
J2	NC-P	Conductivity Meter Probe	Probe information in maintenance log books
J2	O	Refrigerator	Refrigerator, Frigidare Model: MRT18DNGW2, S/N: BA03518535
J2	OA	Oven	Solids Oven, Curtis Matheson Equatherm S/N 10AU-8
J2	OB	Oven	Solids Oven, Curtis Matheson Equatherm S/N 10AT-10
J2	OC	Oven	Solids Oven, Quincy Lab Oven, Model 20GC, S/N: G2-09994
J2	OE	Oven	Solids Oven, Curtis Matheson Equatherm S/N 10AW-9
J2	OD	Oven	Solids Oven, Curtis Matheson Equatherm S/N 10AW-6
J2	OF	Oven	Solids Oven, Quincy Lab Oven, Model 120GC, S/N: G2-08947
J2	PH2	pH meter	pH meter Mettler Toledo, Model SevenEasy, S/N 1227196089
J2	PH-P2	pH meter Probe	Probe information in maintenance log books
J2	Q	Ion Chromatograph	Metrohm model 881 Compact IC Pro, SN:03137
J2	Q	Ion Chromatograph	Auto-sampler Model 858, S/N: 02565
J2	Q	Ion Chromatograph	Software- MagIC Net Version: 3.3
J2	R	Ion Chromatograph	Metrohm Model 930 Compact IC Flex SN: 1930200010134
J2	R	Ion Chromatograph	919 IC autosampler plus SN: 1919002002771
J2	R	Ion Chromatograph	MagiC Net 4.2 build 152
J2	R6	Regulator	Oxygen Regulator
J2	S4	Stir Plate	Sitr Plate, Corning Scholer 171 S/N 023103093856
J2	S6	Stir Plate	Sitr Plate, Thermo Model: SP88850100, S/N: C3010012061503732
J2	ST	StepSaver Manifold 1, 2, 3	Environmental Express StepSaver Complete Extraction Systems, G6000
J2	ST	StepSaver Manifold 4, 5, 6	Environmental Express StepSaver Complete Extraction Systems, G6000

Location	ID	Instrument Type	Instrument Make and Model
J2	SX	TOX-Prep	EST, sample prep chamber, Xprep-3 SN: 2017.034
J2	TX	TOX	EST, Trace Elemental Instruments, Xplorer SN: 2017.017 w/ titration cell SN:2017.0831
J2	TX	TOX Autosampler	TE Instruments, Tuscan V2, SN 2020.010
J2	TX	TOX Autosampler	Software-Trace Elemental Instruments 2.5.7
J2	U	Spec	DR 5000 HACH Spektralphotometer UV/VIS S/N 1235577
J2	U	Spec	Software version: 1.07
J2	V5	Vacuum Pump	Vacuum pump GE, Model 5KH33DN16HX, S/N G8GCX
J2	W	Waterbath	Water Bath, Precision Scientific S/N 697040366
J2	XM	StableWeigh Station	StableWeigh Manifold, 6 Place Filling Station, Environmental Express model TDS600F, lot# 59-8043
J2	XS	StableWeigh Antistatic Bar	StableWeigh Antistatic Bar/Box Mettler Toledo model EN-C SN: 180009
J2	XX	Inhibitor Dispeser	Hach Nitrification Inhibitor Dispeser
J2	Y	CBOD/BOD Analyzer	SEAL Analytical, MLV120M1BODPrepYSI, SN 8787
J2	Y1	CBOD/BOD Analyzer	YSI DO Meter 1 Cat No. 626650 and Serial No.22G103463
J2	Y1	CBOD/BOD Analyzer	Software version: 1.3.20
J2	Y2	CBOD/BOD Analyzer	YSI DO Meter 2 Cat No. 626650 and Serial No. 22F16162
J2	Y2	CBOD/BOD Analyzer	Software version: 1.3.20
J2	Y	CBOD/BOD Analyzer	Seed Pumps 1 & 2 (for BOD)
J2	Y	CBOD/BOD Analyzer	Dilution Water Pumps 1 & 2
J2	Y	CBOD/BOD Analyzer	ATU Pumps 1 & 2 (for CBOD)
J2	Y	CBOD/BOD Analyzer	Sample Pumps 1 & 2
J2	Y	CBOD/BOD Analyzer	Software: BOD Sampling Robot, Version: 3.0.3.1, PLC: 2(9-12-2023)
J2	Y-P1	CBOD/BOD Analyzer Probe	YSI DO Probe 1 Cat No. 626400 and Serial No. 23C105916
J2	Y-P2	CBOD/BOD Analyzer Probe	YSI DO Probe 2 Cat No. 626400 and Serial No. 23C105920
J2	Y-A	BOD Aerator	Aquaculture aerator pump
J2	Y-B	BOD Aerator	Aquaculture aerator pump
J2	Y-C	BOD Aerator	Tetra Whisper Air Pump, SN 046798778530
J2	YH	Hood	Hood, Captair, Toxicap 1200, S/N E54522
J2	Z	Hood	Hood, Labconco 6 foot S/N Wetchem
J2	V8	Vacuum Pump	Vacuum pump GAST, Model 0523-V4-G588NDX, S55JXTJN8535, SN 521007569, 100-115V
J2	V9	Vacuum Pump	Vacuum pump GAST, Model 0523-V4-G588NDX, S55JXTJN8535, SN 0323028049, 100-115V
J2	FM	Flipmate Filter	Environmental Express, Flipmate Filtration Block.
J2	MC	Moisture Analyzer	Moisture Analyzer OHAUS MB120 SN:C111331237
J2	MC	Moisture Analyzer	Terminal software version: 2.01
J2	MC	Moisture Analyzer	Drying unit software version: 1.50
J2	V7	Vacuum Pump	Vacuum pump GAST, Model 0523-V191Q-G588NDX, SN 4F740A, 100-115V
J3	A	ICP-OES	ICP Thermo Scientific icap 7400, SN#: IC74Duo285
J3	A	ICP-OES	Cetac ASX-560 S/N: 021501A560
J3	A	ICP-OES	Thermo Chiller 1171501401210413
J3	A	ICP-OES	Software-QTEGRA 2.10.4345.236
J3	AB	AutoBlock Digester	Environmental Express,120/230V, Fuse 12A/6A, SN AB4001-0318-096
J3	AB	AutoBlock Digester	Software-Version 2.1.2
J3	B	Burn Rate Ruler	Ruler 12"/300MM E/M Certified Fowler, 452110273 52-264-012
J3	C1	Digestion Block Controller	SCP Science DigiPrep Keypad S/N: KPX1019304165
J3	C2	Digestion Wireless Block Controller	Questron Technologies Corp S/N: QW14039A
J3	C3	Digestion Block Controller	Questron Technologies Corp S/N: QW14040.1
J3	C3	Digestion Block Controller	Software version: 1.0.2
J3	C5	Digestion Block Controller	Questron Technologies Corp S/N: QW121067
J3	DI	DiH2O System	ELGA Model: CLXXUVM2-US, Serial No. CLA00003480
J3	DI	DiH2O System	Software version: Mk2 v1.00 rev 04
J3	DPHCL2	Dispenser Pipette	Dispensette S 1-10mL

Location	ID	Instrument Type	Instrument Make and Model
J3	DPHNO3	Dispenser Pipette	Dispensette S 1-10mL
J3	G	Mercury Analyzer	Perkin Elmer FIMS 100, PN50509550, S/N: 101521030601
J3	G	Mercury Analyzer	Autosampler S23, PN N0830010, S/N: 032101523
J3	G	Mercury Analyzer	Software-Syngistix 4.0.1.1935
J3	GH	Hood	Hemco Fume Hood S/N L08-1619
J3	L6	Label Maker	Zebra Technologies Corporation, Model LP2824, S/N 22J142000024
J3	L7	Label Maker	Brother, S/N U61041-A5J733961
J3	M	ICP-MS	ICP-MS Thermo Fisher Model ICAP Q, S/N 0722
J3	M	ICP-MS	Autosampler CETAC ASX-520 S/N 1022100A560
J3	M	ICP-MS	Thermo Chiller 0110869001131220
J3	M	ICP-MS	Software-QTEGRA 2.10.4345.236
J3	N	Sonicator	Model 2510 Branson S/N RLA110735474E
J3	P	Hot Block Digester	Questron Technologies, S/N QW14040B
J3	Q	Hot Block Digester	Questron Technologies, S/N QW14040C
J3	R	ICP-MS	ICP-MS Thermo Fisher Model ICAPRQ, S/N: ICAPRQ02518
J3	R	ICP-MS	Autosampler CETAC Model: ASX-560; S/N: 052002A560
J3	R	ICP-MS	Chiller Thermo Fisher Model: ThermoFlex2500; S/N: 1171123101200527
J3	R	ICP-MS	Software-QTEGRA 2.14.5122.306
J3	R25A,B,C	Regulator	Argon Regulator
J3	S	Shaker	Shaker, VWR, S/N 201933595
J3	T1	Turbidimeter	Turbidimeter, Hach Model 2100N SN: 010700007053, Firmware: P1.2
J3	U	Hot Block Digester	Environmental Express Hot Block/SC154, S/N 944CEC0974
J3	V4	Vacuum Pump	Vacuum Pump, Gast Model S55JXTJN8535, S/N: 0423021896
J3	EX	Microwave Digester	Milestone, EthosX SN24078129, Firmware MWB-650, SW 11, HW 5, Kernel 3.10.18
J3	EX	Microwave Digester	Software: Milestone E2 Temp, Version2
J4	A	Chiller (J3A)	Chiller Polyscience S/N 1709-05880
J4	B	Nitrogen Generator	Generon, GN2 S/N MM201003
J4	B	Nitrogen Generator	IR Ingersoll Rand, Model 47672061004, S/N (M) 1/29/2020-S11483-3372
J4	B	Nitrogen Generator	Oil Free Scroll Compressor, Model SLAE05E, S/N XG5550
J4	M	Chiller (J3M)	Chiller Thermo Flex 2500 S/N ME04026-25
J4	R18	Regulator	Nitrogen Regulator 2 tanks (Right (R) & Left (L))
J5	R1	Regulator	Air regulator
J5	R2	Regulator	Hydrogen regulator
J5	R20	Regulator	Helium Regulator - 2 tanks (Left (L) & Right (R)); Airgas Manifold Model # 5264071-20-001, S/N 19714502
J5	R21	Regulator	Nitrogen Regulator - 2 tanks (Left (L) & Right (R)); Airgas Manifold Model # 5264071-20-001, S/N 19C14TV7
J5	R4	Regulator	Argon regulator
J6	C	Autoclave	Autoclave Tuttnauer Model 2540M, SN:9902128
J6	CI	DPD Dispenser	IDEXX EZ DPD WDPDP10TD SN 98-09409-01 LOT 211160
J6	D	Hot Plate	Corning PC-4200 S/N 033507291113
J6	E	Microscope	VWR VistaVision Compound Binocular Planar SN:0831287
J6	F	UV Lamp	MMO-Mug Lamp Spectroline: E-series S/N876324
J6	G	Dessicator	Dessicator Dry Keeper S/N: 6246001
J6	H	Incubator	Fisher Econotemp, Model 55D, S/N 110
J6	J	Membrane Dispenser	EZ- Filter Membrane Dispenser Millipore S/N 006774
J6	J/G share	Incubator	B/T Sure Incubator Block Fisher S/N 1041011085380
J6	K	Colony Counter	Quebec Colony Counter S/N 11158-1
J6	Loaner #18	Autoclave	Ritter M9 UltraClave Serial Number: FF001553
J6	P	pH meter	pH meter, Mettler Toledo, Model SevenMulti, S/N 123135105

Location	ID	Instrument Type	Instrument Make and Model
J6	P	pH meter	Software version: 2.00
J6	PC	Conductivity Meter	Conductivity Meter, Mettler Toledo, Model SevenMulti, S/N 123135105
J6	PC	Conductivity Meter	Software version: 2.00
J6	PC-P	Conductivity Meter Probe	Probe information in maintenance log books
J6	P-P2	pH meter probe	Probe information in maintenance log books
J6	Q	Refrigerator #2	Refrigerator S/N LR734900
J6	R	Refrigerator #1	Refrigerator Insignia Model NS-RTM18WHD2 S/N 24K25T00600
J6	S	Waterbath	Thermo Scientific, Precision Waer Bath Model # 2866, SN 202324-181
J6	U	UV Sterilizer	U.V. Sterilizer Millipore S/N 655995
J6	V1	VACUUM PUMP	BARNANTCO C94001791
J6	W	Quanti-Tray Sealer	Quanti-Tray Sealer PLUS, IDEXX, QTP13250305706
J6	X	Incubator	Isotemp Fisher S/N 209N0293 / 650D
J7	A	FID	FID Gas Chromatograph, Perkin Elmer, Autosystem GC model 9000, Serial # 610N3051706
J7	A	FID	TotalChrom 6.3.2
J7	B	FID	FID Gas Chromatograph, Perkin Elmer, Clarus 500 with autosampler, Serial # 650N407602
J7	B	FID	TotalChrom 6.3.2
J7	E	FID	FID Gas Chromatograph, Perkin Elmer, Clarus 500 with autosampler, Serial # 650N4032301
J7	E	FID	TotalChrom 6.3.2
J7	G	NPD	Dual ECD Gas Chromatograph, Perkin Elmer, Clarus 590 with autosampler, Serial # 590S21070808. Computer Dell Optiplex XE3 SN WCAPELJ94KDF3 w/TotalChrom v. 6.3.4
J7	H	GC-MS	Gas Chromatograph Shimadzu model GC-2010, Serial #626455 interfaced to Mass Spec QP2010, Shimadzu, Serial # C70264000216, with Autosampler, Shimadzu, Model # AOC-20i, Serial # C11314101671SA, GCMSSolutions v. 4.45.
J7	I	FID	FID Gas Chromatograph, Perkin Elmer, Clarus 580 with autosampler, Serial # 580S12051001
J7	I	FID	TotalChrom 6.3.2
J7	J	NPD	Dual NPD Gas Chromatograph, Perkin Elmer, Clarus 590 with autosampler, Serial # 590S21071501. Computer Dell Optiplex XE3 SN WCAPEL5X6ZC3 w/TotalChrom v. 6.3.4
J7	L	GC/MS	Gas Chromatograph Shimadzu GC GC-2030 serial# 460-28069-15 2021-03-03 interfaced to Mass Spectrometer, Shimadzu, GCMS-QP2020 NX Serial # 021745850499 with Autosampler, Shimadzu, Model # AOC-20i Plus, Tower Serial # C12345809864 and Tray Serial # C12135818443. Pump Edwards Model A65201906 Serial #210376590. Computer GCMSInsight SW Package QP SNOS0255950233 w/ GCMSSolutions v. 4.50.
J7	M	FID	Dual FID Gas Chromatograph, Perkin Elmer, Clarus 500 with autosampler, Serial # 650N6042707
J7	M	FID	TotalChrom 6.3.2
J7	N	Refrigerator	Frigidaire Refrigerator Top.BT
J7	P	GC/MS	Gas Chromatograph, Agilent, Model 6890N (G1530N) S/N US10623036
J7	P	GC/MS	Mass Spectrometer, Agilent, Model 5973 (G2577A) S/N US52440695
J7	P	GC/MS	Injector, Agilent, Model 7683 (G2613A) S/N CN13922353
J7	P	GC/MS	Autosampler Tray, Agilent, Model 7683 (G2614A) S/N US54715576
J7	P	GC/MS	MSD Chemstation F.01.03.2357
J7	R10	Regulator	Air Regulator - 2 tanks (Left (L) & Right (R)); Manifold Model # 20668350, S/N 188125PE
J7	R11	Regulator	Hydrogen Regulator
J7	R12	Regulator	Helium Regulator
J7	R13	Regulator	P5 Regulator
J7	R14	Regulator	Helium Regulator
J7	R15	Regulator	Helium Regulator
J7	R9	Regulator	Helium Regulator
J7	T	GC-MS	Gas Chromatograph Shimadzu model GC-2010 Plus, Serial #10681550 interfaced to Mass Spec QP2010SE, Shimadzu, Serial # 020534850003, with Autosampler, Shimadzu, Model # AOC-20i, Serial # C11314813186SA, GCMSSolutions v. 4.20
J7	X	ECD	ECD Gas Chromatograph, Perkin Elmer, Clarus 590 with autosampler, Serial # 590S1801037
J7	X	ECD	TotalChrom 6.3.4
J7	Y	ECD	ECD Gas Chromatograph, Perkin Elmer, Clarus 500 with autosampler, Serial # 665N7020907

Location	ID	Instrument Type	Instrument Make and Model
J7	Y	ECD	Software: TotalChrom 6.3.4.0700
J7	Z	ECD	ECD Gas Chromatograph, Perkin Elmer, Clarus 500 with autosampler, Serial # 650N6051605
J7	Z	ECD	Software: TotalChrom 6.3.2.0646
J7	Q	ECD	ECD Gas Chromatograph, Perkin Elmer, Clarus 590 N6519590 with autosampler, Serial # 590S19090206
J7	Q	ECD	Software: TotalChrom 6.3.4.0700
J8	I	Hood	Air Science, Model Pur Air - P30-XT, Serial # P92943
J8	CC	Oven	Drying Oven, Cole Palmer Instrument Company, Model 52412-88 S/N 1A045479
J8	CO	Hood	Safeaire, Fisher Hamilton.
J8	G	Centrifuge	Centrifuge, Damon/IEC Division, Model IEC Spinette, Serial# 49002109
J8	J	Vacuum	Vacuum Pump, GAST Manufacturing,, Model 0523-V4F-G582DX, Date Code 0894, MFG# F947
J8	M	Hood	8' Fisher American Chemical Fume Hood, Serial N/A (Custom Built Hood)
J8	GG	TurboVap	TurboVap Concentrator, Zymark, Model TurboVap II, 103192/06 Serial # TV1225N17189
J8	HH	TurboVap	TurboVap Concentrator, Zymark, Model TurboVap II, 103192/06 Serial # TV1225N
J8	II	TurboVap	TurboVap Concentrator, Zymark, Model TurboVap II, 103192/06 Serial # TV1225N
J8	O	TurboVap	TurboVap Concentrator, Zymark, Model TurboVap II, Serial # VV0312N11590
J8	P	Hood	Lab Hood, Labconco, Cat# 48801003726, Serial# 990861956
J8	QW	Dishwasher	Frigidaire Model FFBD2406NW
J8	W	TurboVap	TurboVap Concentrator, Calliper Life Sciences, Model TurboVap II, Serial # TV0511N12209
J8	X	TurboVap	TurboVap Concentrator, Calliper Life Sciences, Model TurboVap II, Serial # TV0636N13247
J8	Y	TurboVap	TurboVap Concentrator, Zymark, Model TurboVap II, Serial # TV9824N8174
J8	Z	Waterbath	VWR Scientific Water Bath Model #1235PC S/N 1202391
J8	BB	Waterbath	VWR Scientific Water Bath Model #1235PC, PN 9020920, SN 1100898
J8	8S"SN"	Sonicator	Sonicator, VWR, Ultrasonic Cleaner 20.8L, 97043-980, SN2118A236Y
J8	AA	TurboVap	TurboVap Concentrator, Biotage Turbovap II, 103187105, SNTV1133N16684
J8	DD	Shaker	Mid Range 3D Sample Shaker, Glas-Col, Model VS20012, Serial# 380113
J8	DE	Shaker	8 position Sample Shaker, Custom
J8	DI	DIH2O System	Evoqua Water Technologies SN1859297-5
J8	EE	Shaker	Glas-Col Model 099A BT1000ST, Serial# 11334691
J8	FF	Balance	Cole Parmer INNCOCAL MN: PB-300-2000 S/N: 789047 Precision Portable Toploading Balance
J8	GA	Standards Refrigerator	Magic Chef 4.4 cubic ftModel MCRB 440S2 S/N 2700102202
J8	H	Hood	One Pointe Solutions Model N/A, Serial N/A (Custom Built Hood)
J8	K	Vacuum	Vacuum Pump, Marathon 0523-V4A-G588DX SN F11J20040
J8	L4	Label Printer	Zebra Technologies Corporation, Model LP 2844, S/N 64A050500901
J8	L5	Label Printer	Brother, S/N U61041-A5J733961
J8	L6	Label Printer	Brother, S/N PT-D610BT, SN U66879C4H789747, Software V1.002
J8	MA	SPE Manifold	Restek, Fishbowl Manifold no serial number
J8	MB	SPE Manifold	Saipurui, Fishbowl Manifold no serial number
J8	MC	SPE Manifold	Saipurui, Fishbowl Manifold 200-TO-HJWJL-3763
J8	MD	SPE Manifold	Saipurui, Fishbowl Manifold no serial number
J8	ME1	SPE Manifold	Restek Resprep QR-12, Fishbowl Manifold no serial number
J8	MF	SPE Manifold	Supelco Visiprep 12port, Fishbowl Manifold no serial number
J8	MDW	MANIFOLD	DRINKING WATER MANIFOLD. NO SERIAL FOR BRAND
J8	N	Hood	Lab Hood, Labconco, Cat # 72861003726, Serial # 990361003
J8	R17	Regulator	Nitrogen Regulator
J8	T	Vacuum	Vacuum Pump, GAST Manufacturing,, Model 0211-V45F-G8CX, Date Code 0895
J8	V	3 door Refrigerator	ATOSA, Model MBF8006GR, SN MBF8006GRAUS1T0321020600C40015
J8	VX	Vortexer	Fisher model 231, SN# 808N0371
J8	EX1	Microwave Digestor	Ethos X Digestor, SN 23117683 w/Terminal 660 SN 23117333, Software: EasyCONTROL-660 Rev. 02-F-SP2
J9	B	Pipet	Dispensette Pipet SN 07M 28936

Location	ID	Instrument Type	Instrument Make and Model
J9	C	Pipet	Dispensette Pipet SN 07M 28942
J9	D	Refrigerator	Intertek Model BBT350S, SN ST225218BBT350S2082 ST252-18/21D
J9	A	IR Gun	SPER Scientific Model 800106 IR Thermometer Gun 12:1 SN2347001871
J9	L1	Label Printer	Zebra Technologies Corporation, Model LP 2844, S/N 42A063001966
J9	L2	Label Printer - Fed EX	Zebra Technologies Corporation, Model ZP 505 S/N: 27J201400322
J9	R1	Headspace Reference Ruler	Knitting Needle Gauge Geometric Ruler, Lovelysp, B0CFW2RPBP
J9	R2	Headspace Reference Ruler	Knitting Needle Gauge Geometric Ruler, Lovelysp, B0CFW2RPBP
J9	S	Scale	Scale, Model: 4010-8B, S/N 000395
JF	A	Machete	Gerber, SN4660321E
JF	MM	Portable Multi-Meter - Field Sampling	YSI 556 MPS Multi Probe S/N 13E101561
JF	MM2	Portable Multi-Meter - Field Sampling	YSI Pro Quatro Multi Probe S/N 24C101389
JF	MM2FC	Portable Multi-Meter - Field Sampling	YSI 6850 Flow Cell S/N 12103494
JF	MM2P	Portable Multi-Meter - Field Sampling	YSI Pro Quatro S/N 21K100079
JF	MM3	Portable Multi-Meter - Field Sampling	YSI Pro Quatro Multi Meter S/N 21K103805
JF	MM3FC	Portable Multi-Meter - Field Sampling	YSI 6850 Flow Cell S/N -61 06/04/21
JF	MM3P	Portable Multi-Meter - Field Sampling	YSI Pro Quatro Probe ISE-ISE-DO-COND SN 21M100503
JF	MMP	Portable Multi-Meter - Field Sampling	YSI Environmental 115562-4M-13J54, pH 005565, L/N:210712SEN005565
JF	pH	Portable pH Meter - Field Sampling	Ecosense pH100A, S/N JC04132
JF	pH2	Portable pH Meter - Field Sampling	Ecosense pH100A, S/N JC04145
JF	pH3	Portable pH Meter - Field Sampling	Ecosense pH100A, S/N JC04891
JF	pHP	Portable pH Meter probe - Field Sampling	YSI Environmental 211103SIA605377
JF	pHP2	Portable pH Meter probe - Field Sampling	YSI Environmental
JF	pHP2HW	Portable pH Meter - Field Sampling	YSI Environmental
JF	pHP3	Portable pH Meter probe - Field Sampling	YSI Environmental SN230524SIA605377
JF	SDI-P	Silt Density Pump	Applied Membranes, Inc., Direct SDI, Model SDI-PU, SN 025221002
JF	SDI-T	Silt Density Tester	Applied Membranes, Inc., Direct SDI, Model SDI-2000, SN 130221017
JF	SO3	Sulfite Test Kit	HAC, 1-200mg/L, Model SU-5, Cat. 148002, Lot A2233A
JF	T2	Turbidimeter	HAC 2100Q, LPG439.01.00002, SN23070D000123
JF	T3	Turbidimeter	Geotech, WL, Model: Geotech Turbidimeter, SN 24105676, Firmware Turbidity WL 3.8 US
JF	C1	Compositor	605800005 Model 5800 Refrigerated sampler, SN 219E00336
JF	C2	Compositor	605800005 Model 5800 Refrigerated sampler, SN 221E00152
JQA	W	NIST Master Weight Set	Troemner, SN4000035738 and VWR-F1-2KG (SN 44445), VWR-F1-200G (SN 59959), VWR-F1-500G (SN79921)
L2	E	Field Backup Peristaltic	Geotech Geopump 1, Geopump 2 S/N 8416
L2	F	Field Water Level Meter	Geotech S/N 8494
L2	G	Field pH/Temp Meter	Milwaukee MW102 PRO+ SN: 11107200088
L3	A	35.0 Incubator	VWR Model 51030020, S/N 42973492
L3	B	44.5 Waterbath	Thermo Scientific Precision Water Bath Model: TSCIR19, S/N: 300558570
L3	D	pH/Conductivity Meter	Apera PC910 Model: AI5614 SN:1221131006
L3	E	Conductivity Probe	Apera 2301T-F Model: AI1305 SN: 434
L3	F	pH Probe	Apera Labsen 2111 Model: AI1302 SN: 2110113
L3	G	Micro UV light	Spectro-UV Model: E-Series, S/N: 2229567
L3	H	Fridge 2 (LG2)	Hotpoint Model: HT515BBMFRWW S/N VD802151
L3	I	Timer	Traceable Model 62344-904 S/N 230416939
L3	J	Autoclave	Marketforge STM-MEL S/N 211983
L3	L	QT Sealer	Idexx Quanti-Tray Sealer PLUS Part-89-0003936-01, S/N QTP13234904581
L4	A	Bottle-Top Dispenser	MICROLIT Bottle Top Dispenser Model #SCI-5 S/N: 22401582
L4	B	Bottle-Top Dispenser	MICROLIT Bottle Top Dispenser Model #SCI-5 S/N: 22403136
L4	D	Bottle-Top Dispenser	MICROLIT Bottle Top Dispenser Model #SCI-5 S/N: 22401558
M1	D	Pipette	New Cayon, adjustable Pipettor, 0.1 - 1.0 mL, SN: CU0279411

Location	ID	Instrument Type	Instrument Make and Model
M1	F	Pipette	Socorex, Calibra 822, 20-200 ul, SN: 18091260
M1	G	Pipette	Socorex, Calibra 832, 1-10 ml pipetter S/N: 19041055
M1	H	Pump	Gast, Model 0523-V191Q-G588DX, SN: 4F740A
M1	H8	Fumehood	Labconco, Class 115, SN:
M1	J	ICP	Thermo Scientific, 6500 DUO, SN: IC5D20120522
M1	J2	ICP	ICP Chiller, Thermo Scientific, ThermoFlex 900, SN: N0772026/G41742
M1	J3	ICP	Compressor Husky 30 gallon, SN:H1506FWH /21529
M1	JA	ICP	ICP Autosampler, CETAC ASX-560, SN: 0622144A560
M1	JB	ICP	ICP Battery, Powervar, Model ABCDEF10.0-22, SN: 2210050R-1830010
M1	L	Digestion Block	Environmental Express, Hotblock 150, SN: 2022CECW5698
M1	M	Digestion Block	Varian, Hot Block, SN: 424VAR200A
M1	N2	Balance	Fristadenlab, HC20002X, SN: HC20002X-044 (Max. weight: 2000g, resolution: 0.01g)
M1	P0	Hg Analyzer	Perkin Elmer, FIMS 100, SN 509550-1383, Autosampler AS90, SN: B2190039-1174
M1	Q2	Pipette	Socorex, Calibra 832, 1-10mL Pipette SN: 29051037
M1	R2	Autopipette dispenser	VWR Bottle Top Dispenser, 0.5 - 5mL, SN: 23204482
M1	R3	Autopipette dispenser	VWR Bottle Top Dispenser, 0.5 - 5mL, SN: 23205054
M1	S	Digestion Block	Environmental Express, Hotblock SC154, SN: 2019CECW5076
M2	A	Multimeter	YSI, ProQuatro, SN: 21J102891
M2	A1	Multimeter Probe	YSI, Pro 10102030 Probe, SN: 21K100079
M2	D	Autosamplers	Isco autosamplers , Model 3710, SN: 41500R1
M2	E	Autosamplers	Isco autosamplers , Model 3710, SN: 204K00927
M2	G	Colorimeter	Hach, Pocket Colorimeter II for Chlorine Analysis, 5953000V.02, SN unknown
M2	J2	Multimeter	HANNA, HI 9829 Multimeter, SN: 08200015101
M2	J2P	Multimeter probe	HANNA, HI 9829 Multimeter Probe, SN: 7609829
M2	K	Turbidimeter	La Motte, Model 2020, SN: 5423-4304
M2	L	Turbidimeter	HF Scientific, MicroTPW, SN: 202003510
M2	M	Colorimeter	Hach, Pocket Colorimeter II for Chlorine Analysis, 5953000V.02, S/N: 05080C035428
M2	N	Rotator	Dayton, Model 5K939E, SN: C0106
M2	PO	Pump	Solinst Perisaltic Pump, Model 410, SN: 002264
M2	PU	Pump	GeoPump, SN: 2346 (Oscar)
M2	R	Rotator	Environmental Express Rotator (no visible SN)
M2	S	Pump	GeoPump, SN: 5466 (Damine)
M2	T	Pump	GeoPump, SN: 7401 (Jashua)
M2	V	Water Level meter	Geotech, Model, S/N: 6148
M2	V1	Water Level meter	Heron, Model # 21393, no SN
M2	V2	Water Level meter	Heron, Model # 1900, SN: 19DF22070308HB
M2	X	Turbidimeter	Geotech, Portable Turbidimeter WL, SN: 22013767
M2	Y	Multimeter	YSI, ProQuatro, SN: 17F103149
M2	yy	Multimeter & Probe	Oakton, PCTSTestr 50, Cat N: 35634-35, SN: 2981477
M2	Y1	Multimeter Probe	YSI, Pro 10102030 Probe, SN: 17F100375
M2	Y2	Multimeter pH Probe	YSI, pH Probe 605101, SN: 23G
M2	Z	Colorimeter	Hach, DR300 Pocket Colorimeter, Chlorine Dioxide, S/N: 20010A000069
M3	A	IR Gun	Klein Tools IR5 S/N: None IR Gun 1
M3	B	Refrigerator	Intertek T-Series Model: MBF8006 S/N: MBF8006AUS100319012500C40004
M3	C	Shipping Scale	UPS Shipping Scale S/N:
M3	D	Moisture Analyzer	OHAUS Moisture Analyzer S/N: B811543044
M3	E	Label Printer	Zebra Labeler Model: LP2844 S/N: 42A063001992
M3	F	Autopipette dispenser	BrandTech Scientific Dispensette pipetter 0.5-5.0 ml
M3	FA	Autopipette dispenser	VWR Bottle Top Dispenser, 1-10mL, S/N: 21200347
M3	FB	Autopipette dispenser	VWR Bottle Top Dispenser, 0.5 - 5mL, S/N: 20402207

Location	ID	Instrument Type	Instrument Make and Model
M3	FC	Autopipette dispenser	VWR Bottle Top Dispenser, 0.25 - 2.5mL, S/N: 20402187
M3	G	Pipette	Socorex, Calibra 832, 1 - 10mL, SN: 29071095
M3	H	Refrigerator	Atosa Model: MBF8006GR, SN: MBF8006GRAUS1T0320110500C40020
M3	H1	Fumehood	Labconco, Class 115, SN: 031111918
M3	I	Refrigerator	Emerson Back Bar Cooler, Model: BBT350L; SN: ST2225218BBT350L218
M3	K	Refrigerator	Tor Rey Sliding Glass Doors Model VRD28-ULH S/N A14-000877
M3	P	Refrigerator	Silver superior Model T-49 SN: 1388130
M3	Q	Refrigerator	SABA Model S-72RG S/N: 6187171519050302
M3	R	Refrigerator	Intertek Bttm Mount Reach-ins Vertical Cooler, Model: MBF8508, S/N MBF8508AUS100319102300C40005
M3	T	Refrigerator	RCA small S/N: A1704197490000745 - Out of Service
M4	A	GC-MS	GCMS, Shimadzu, Model QP2020NX, SN: 021745850327
M4	A	GC-MS	Autosampler, AOC-20s, SN:C1213581760
M4	A	GC-MS	Injector, AOC-20i, SN: C12345706476
M4	A	GC-MS	Pump, Edwards RV3, SN: 200286317
M4	B	ECD	GC-Dual ECD, Perkin Elmer, Model Clarus 500 SN: 650S10020401, with autosampler
M4	C	FID	GC/FID, Perkin Elmer, Model Clarus 500, SN: 650S10020303, with autosampler
M4	E	GC-MS	Gas Chromatograph, Shimadzu, Model GCMS-QP52010SE, SN: C020534950006
M4	E	GC-MS	Injector, AOC-20i, SN: C11314917270SA
M4	E	GC-MS	Autosampler, AOC-20s, SN: C1151406901SA
M4	E	GC-MS	Pump, Edwards rough, SN: 159428740
M4	F	Refrigerator	Refrigerator & Freezer, Kenmore, Model 253.68802015, SN: BA13702790
M4	F	Freezer	Refrigerator & Freezer, Kenmore, Model 253.68802015, SN: BA13702790
M4	I	FID	GC/FID, Perkin Elmer, Model Clarus 580, SN: 580S12051001,with autosampler
M4	J	GC-FID	GC-FID Gas Chromatograph, PerkinElmer, Model Clarus 690, SN:690S24061804
M4	K	GC-MS	GC-MS Gas Chromatograph, PerkinElmer, Model Clarus 690, SN:690S24061803
M4	L	Freezer	Refrigerator and Freezer, Daewoo Electronics, Model FRG2120BRW, SN: 57201767GL
M4	S	Centrifuge	LW Scientific, Model: Ultra-8V, SN: V127178
M5	AA2	Refrigerator	Arctic King, Model: ARM32D5ASL, SN: 540-31000020-3710-0910129
M5	AB	Refrigerator	Amana, refridgerator and freezer for foreign soils, Model 18MSTFATR6, SN: VSB3734573
M5	AC	Sonicator	Vevor, Digital Ultrasonic Cleaner, Model Digital Pro+, SN: TH-100A
M5	AD-B	Digestion Block	Heating Block, Seal Analytical, BD50 Blocok, SN: 5146U01720
M5	AD-C	Digestion Block	Heating Block Controller, Seal Analytical, BD 50/28 Controler, SN: 3146U01719
M5	E	Imhoff Cone	Cone B
M5	F	Balance	Hogentogler, VeriTas S622, SN: CHA2104054
M5	G	Turbovap	Zymark, Turbovap II, SN: TV1048N16239
M5	H	Turbovap	Zymark, Turbovap II, SN: TV1048N16238
M5	H2	Fumehood	Labconco, Class 115, SN: 031213283
M5	H3	Fumehood	Labconco, Class 115, SN: 031213574
M5	H4	Fumehood	Labconco, Class 115, SN: 031213278
M5	H5	Fumehood	Labconco, Class 115, SN: 031213575
M5	H6	Fumehood	Kewaanee, Custom made, no serial number
M5	I	Turbovap	Zymark, Turbovap II, SN: TV9933N9050
M5	J	Turbovap	Zymark, Turbovap II, SN: TV9835N8307
M5	L	Shaker	Glas-Col, 3D Shaker Model: VS20012, SN: 257351
M5	M	Shaker	Glas-Col, 3D Shaker Model: VH2000S, SN: 380497
M5	P1	Pipette	Ward's Science, autoclavable, 0.1-1ml, SN: YM233AY0004346
M5	Q	Hotplate	Bella,Model 14648, SN: 1948
M5	R	Digestion Block	Gerhardt, Type TRs, SN: 5771 18 0088
M5	R1	Wood manifold	Self-made

Location	ID	Instrument Type	Instrument Make and Model
M5	R2	Wood manifold	Self-made
M5	T	Pipette	Eppendorf, Despenette S, 1-10mL, SN: 19C39617
M5	U	Digestion Block	Environmental Express, Model SC154, SN: 3703CEC1778
M5	V	Pipette	Eppendorf, Despenette S, 1-10mL, SN: 19D 50714
M5	X	Autopipette dispenser	Dispensette S DE-M, 110ml S/N: 17G82269
M5	Z	Pump	Gast, Model 2HAH-24-M200X, SN: 0616008666
M6	AA	Balance	Hogentogler, VeriTas S622, SN: CHA2200399
M6	AB	Color Tester	Orbeco-Hellige Aqua Tester (color) (no Serial number)
M6	AB-A	Color Wheel	Orbeco-Hellige Aqua Tester color wheel, 611-11 (no serial number)
M6	AC	Electric Kettle	Chefman, Model RJ11-17-T1
M6	AD1	Vortex Mixer	Four E's Scientific, CubicB MI0101002, SN: VMQ040304
M6	AG	Turbidimeter	Hach, 2100N Turbidimeter, SN: 960600002574
M6	B	SpecAnalyzer	Seal Analytics, QuAAtro39, SN: 8022310
M6	B1	SpecAnalyzer	Autosampler, XY2 Sampler, SN: 5506A36885, Lachat BD40
M6	CA	DO Meter	Dissolved Oxygen Meter, YSI 5000, SN: 16D105050
M6	CA2	Probe	Probe, Model 5010, Lot: 23B100463
M6	CB	Barometer	Traceable, Model 10510-922, SN: 221498504 (due 5/5/2024)
M6	CE	Pipette	Socorex, Calibra 822, 20-200 uL, SN: 27061059
M6	CK	Conductivity Meter	Fisher Scientific, digital, SN: 221360720 (not for sample reporting, only used for IC pre-check)
M6	D	Analytical Balance	Cole Palmer, S-PA 224I, SN: PL9YCN235
M6	E	Working weights	100mg, 1g, 10g, 50g, 100g, Calibration weight set, Troemner, SN: 82987.
M6	E1	Working weights	1mg calibration weight, Troemner, Cat# 11123446, SN: B738701134
M6	E2	Working weights	2mg calibration weight, Troemner, Cat# 11123608, SN: 1000240756
M6	F	Incubator	Incubator (BOD), Kenmore fridge w/ Goldline Setpoint Temp Control, Model 8275580, SN: S82529737.
M6	F2	Incubator	CBOD/BOD Incubator, Shellab, Model SR120P, SN: 06047221
M6	F3-1	Filter funnel	Advantec Polysulfone vacuum filter, Graduated (300ml)
M6	F3-2	Filter funnel	Advantec Polysulfone vacuum filter, Graduated (300ml)
M6	F3-3	Filter funnel	Advantec Polysulfone vacuum filter, Graduated (300ml)
M6	F3-4	Filter funnel	Advantec Polysulfone vacuum filter, Graduated (300ml)
M6	F3-5	Filter funnel	Advantec Polysulfone vacuum filter, Graduated (300ml)
M6	F3-6	Filter funnel	Advantec Polysulfone vacuum filter, Graduated (300ml)
M6	F5-1	Filter funnel	Advantec Polysulfone vacuum filter, Graduated (500ml)
M6	F5-2	Filter funnel	Pall 4277 Sentino Magnetic Filter Funnel, Graduated (500mL)
M6	F5-3	Filter funnel	Pall 4277 Sentino Magnetic Filter Funnel, Graduated (500mL)
M6	G	Stirrer	VWR Stirrer Student C3 120V, Model: 986968, SN: 100816016
M6	H	Conductivity Merter	VWR, Traceable Multimeter (Conductivity), Cat# 23226-505, SN: 200489949
M6	H1P2	Multimeter Probe	VWR Multimeter Probe, Cat# 23226-504, SN: 230299360
M6	J	Hot Plate	Nuova Hot plate/stirrer, Model: SP18425, SN: 757001203535
M6	K	Digestion Block	COD Block digestor, Hach, Model: DRB200, SN: 17020C0346
M6	L	Spectrophotometer	Hach DR 2010 Spectrophotometer, SN: 000600018246
M6	M	IR Gun	Klein Tools, Cat# 0820-A2, SN: None (Lab assigned IR Gun 3)
M6	MA2	Refrigerator	Frigidaire, 7.5 CU FT Top Mount Fridge, Model: ERF780-T-6COM, SN: SA12898
M6	MH	Moisture Analyzer	OHAUS, MB120, S/N: B811543044
M6	N	Chlorine Meter	Hach, Pocket Colorimeter II, MH-14503, Cat # 58700-00, Lot: 1082, SN: 0E167529
M6	O	Pump	Gast, 0523-V191Q-G588DX, SN: 4F740A
M6	P	pH meter	Thomas Scientific, Orion Star A211, SN:X63436
M6	P1	pH meter probe (temperature)	Thomas Scientific, Triode Refillable, Orion 9157 BNMD, SN: SPI-13055
M6	P3	ph meter probe	Thomas Scientific, SN: YY1-19973
M6	PA	Pipette	Socorex, Calibra 822, 20-200 uL, SN: 18091153
M6	PD	Pipette	Socorex, Calibra 832, 1 -10mL, SN: 29071062

Location	ID	Instrument Type	Instrument Make and Model
M6	PL	Pipette	Socorex, Calibra 832, 1-10mL, SN: 29051007
M6	PM	Pipette	Socorex, Calibra 832, 1-10mL, SN: 29111086
M6	PN	Pipette	Socorex, Calibra 832, 0.2-2.0 ml, SN: 31021015
M6	PO	Pipette	Socorex, Calibra 832, 0.2-2.0 ml SN: 31021014
M6	PS	Pipette	4ES-USE, Model: Per4mence, P4-SA0301009, 1ml-10ml, SN: 10923060002A
M6	PU	Pipette	4ES-USE, Model: Per4mence, P4-SA0301009, 1ml-10ml, SN: 10923060003A
M6	PV	Pipette	4ES-USE, Model: Pricepette LH0301007, 100ul-1000ul, SN: 10723130792A
M6	PW	Pipette	4ES-USE, Model: Pricepette LH0301007, 100ul-1000ul, SN: 10723050505A
M6	PX	Pipette	Four E's Scientific, Single-channel pipette, 1ml-10ml, SN: 30080798
M6	Q	Aerator Pump	Tetra Aeration Pump, Lot: 01L31
M6	R	Autopipette dispenser	United Scientific, Jade Bottle Top Dispenser, 5-60ml, SN: 18205731
M6	T2	Waterbath	CNCEST, Model BHS-4, SN: 28112023114904043
M6	U2	Ion Chromatograph	Metrohm Compact IC pro, Model: 881, SN: 1881000008134
M6	U2A	Ion Chromatograph	Autosampler Professional sample processor, Model 858
M6	V	Manifold	Environmental Express, StableWeigh Filling Station, TDS600F, Lot #: 66-8080
M6	w	Colorimeter	Hach, Pocket Colorimeter II, Cat# 5870026, SN: 17050E329512
M6	XX1	Nitr Inhibitor Dispenser	Nitrification Inhibitor Dispenser (black top) (no lot number)
M6	Y	Stirrer	Benchmark, Model: H4000-S, SN: 20140926020
M6	Z	Weighing vessel	Environmental Express, part of the StableWeigh Filling Station package, TDS600F, Lot #: 66-8080
M7	A1	Oven	Despatch, Model: LDB-17-4, SN: 151666
M7	B	Balance	Analytical Balance, Cole Palmer, Model S-PA 224I, SN: PL9YCN213
M7	C	Oven	VWR Oven Gr Con 3.7CF, Cat# 89511-406, SN: 42949832
M7	CB	Barometer	Traceable, Model 10510-922, SN: 221498504 (due 5/5/2024)
M7	D	Autoclave	Market Force, Sterilmatic, SN: not visible
M7	F	Analytical Balance	Cole Palmer, S-PA 224I, SN: PL9YCN213
M7	H1	Digital Hydrometer	AikTryee, Mini Hydrometer Thermomter, Accuracy +/- 2 %RH
M7	H2	Digital Hydrometer	AikTryee, Mini Hydrometer Thermomter, Accuracy +/- 2 %RH
M7	H3	Digital Hydrometer	AikTryee, Mini Hydrometer Thermomter, Accuracy +/- 2 %RH
M7	G	Muffle Furnace	Thermo Scientific, Lindberg/Blue M, Model BF51728C-1, SN: 5277-519875-TT
M7	J1	Dessicator	SP Bel-Art Secador Desiccator, Cat: F42073-1000, Serial # N/A
M7	N	Oven	Shel Lab, Model SGO4E, SN: 10005614
M7	Q	Dessicator	SP Bel-Art Secador, Cat: F42074-0220, Cat Clear 4.0 Horizontal
M7	R	Dessicator	SP Bel-Art Secador, Cat: F42074-0220, Cat Clear 4.0 Horizontal
M8	A	Incubator	Gallenkamp, Cat# IPR225.XX1.5, SN: SG9208123
M8	B2	Waterbath	CNCEST, Model BHS-4, SN: 28112023114904015
M8	C	Refrigerator	Refrigerator and Freezer, Kenmore, Model 253.68802013, SN: BA04907010
M8	D	UV Lamp	Spectroline, Long Wave, Model EA160, SN: 1764089
M8	G	Manifold	Vacuum manifold with funnels GM1, GM2, GM3
M8	I	BT sure incubator	Thermo Scientific, Model 2050, SN: 1648100474393
M8	J	Desiccator	Boeckel, Square, for agars and medias
M8	K	Desiccator	Glass, round with glass lid
M8	M2	Incubator	Thermo Scientific, Model Hertherm 1GS60, Ref: 51028063, SN: 43024321
M8	N	Autoclave	Tuttnauer, Model EA-EZ10, SN: 21082622
M8	O	Colony Counter	Quebec, Darkfield Colony Counter, Model 9925, SN: 10006-8
M8	P	Waterbath	Fisher Scientific, ISOTEMP 228, SN: 808N0202
M8	Q	Filter Dispenser	Millipore, EZ-Pak, SN: N006707
M8	R	Sealer	IDEXX, Quanti-Tray Sealer Plus, Cat# 89-0003936-00, SN: QTP13191405145
M8	S	Stirplate	Therm, Ceremic, 8P88857100, SN: C3710023032004481
M8	T	Dessicator	Boeckel, Square, for agars and medias
M8	U	Pump	Gast Oilless Compressors AT05-309-G215DX, SN: J21J242071
M8	V	Motorized pipet filler	Fisherbrand, Model FB14955202, SN: RC710720

Location	ID	Instrument Type	Instrument Make and Model
M8	VT	Vortex Mixer	Ceregon, CE-MX28, Cat: 8086116000, SN: VA245AA0000006
M8	W	Refrigerator	Magic Chef Compact All Refrigerator, Model HMAR45HCSE, SN: 2303004219
M8	X	Pipette	New Cayon, adjustable Pipettor, 100-1000ul, SN: CU0387028
M8	Z	Room temp incubator	For room temperature incubation in a drawer
M8	J-H	Digital Hydrometer	AikTryee, Mini Hydrometer Thermomter, Accuracy +/- 2 %RH
M8	T-H	Digital Hydrometer	AikTryee, Mini Hydrometer Thermomter, Accuracy +/- 2 %RH
M8	K-H	Digital Hydrometer	AikTryee, Mini Hydrometer Thermomter, Accuracy +/- 2 %RH
M8	F3-1	Filter funnel	Pall 4273 Sentino Magnetic Filter Funnel, Graduated (300ml)
M8	F3-2	Filter funnel	Pall 4273 Sentino Magnetic Filter Funnel, Graduated (300ml)
M8	F3-3	Filter funnel	Pall 4273 Sentino Magnetic Filter Funnel, Graduated (300ml)
M8	F3-4	Filter funnel	Pall 4273 Sentino Magnetic Filter Funnel, Graduated (300ml)
M8	F3-5	Filter funnel	Pall 4273 Sentino Magnetic Filter Funnel, Graduated (300ml)
M9	B	GC-MS	Gas Chromatograph, Shimadzu, Model QP-2010SE, SN: 0205353-50275 (2nd S/N: 0210953-00725)
M9	B	GC-MS	Mass Spectrometer, Shimadzu, Model QP-2010SE, SN: 0205353-50275 (2nd S/N: 0210953-00725)
M9	BC	GC-MS	Encov Concentrator, Model EST Evolution, SN: EVX 1215072420
M9	BP	GC-MS	Edwards rough pump, Model RV3, SN: 150461092
M9	C	GC-MS	Gas Chromatograph, Shimadzu, Model QP2010SE , Serial#: 0205355-50369
M9	C	GC-MS	Mass Spectrometer, Shimadzu, Model QP2010SE , Serial#: 0205355-50369
M9	CC	GC-MS	Encov Concentrator, Model EST Evolution, SN: EV880092117
M9	CP	GC-MS	Edwards rough pump, Model RV3, SN: 12129114
M9	D	Autosampler	EST Ceturion Autosamper, SN: CENTS720072420
M9	E	Water Purifier	ELGA, Model Purelab Classic, SN: 0322060706
M9	G	Rotator	Analytical Testing Corp, Model RA-104, SN: 110322
M9	H	Refrigerator	Kenmore Refrigerator and Freezer, Model 253.68802015, SN BA13703626
M9	I	Autosampler	EST Centurion Autosampler, SN: CENTW814081121
M9	J	Refrigerator	Frigidaire Freezer, Model FFU714F5HWF, SN:WB94057171
M9	K	Refrigerator	Hotpoint, Refrigerator and Freezer, Model HTS18GBSFRWW, SN: ZS7624 55
M9	L	Balance	Fristadenlab, HC20002X, SN: HC20002X-023 (Max. weight: 2000g, resolution: 0.01g)
S1	B	Oven	VWR Gravity Oven S/N: 42557054
S1	B1	Refrigerator	Kenmore Refrigerator SN: WA31001575
S1	B2	Incubator	Percival I36NL (30) cubic foot refrigerated incubator. SN4550.01.03B
S1	B3	Hot Plate/Stir Bar	Fisher Isotemp SN C3720022061814272
S1	C	Balance	Mettler Toledo Balance, Model AL 104, SN: 1228280442
S1	E	Oven	Drying Oven-Desiccator, SN: TLH1006
S1	F	Manifold	Filtration Manifold for 3 (gray), SN: TLH1001
S1	G	Conductivity	Oakton conductivity meter SN:137742
S1	GP	Conductivity Meter Probe	Oakton conductivity meter probe
S1	J	Pump	WW Grainger series oil-less vacuum pump, SN120012646
S1	L	Hach Kit	Hach Chlorine Test Kit, Model CN-66F, Lot# A3051
S1	M	Colorimeter	Orbeco Hellige Nesslerizer, Model 711-A-1, P/N L322240
S1	M1	Color Wheel	Orbeco Hellige color wheel 0-30 SN: L284150
S1	M2	Color Wheel	Orbeco Hellige color wheel 30-70 SN: L284160
S1	N	DO Meter	YSI Dissolved Oxygen Meter, Model YSI100-115V, SN 07A1519
S1	NA	DO Probe	BOD Probe-Self Stirring, Model 5905 - see maintenance logbook for lot
S1	NP	Aerator Pump	Aqua Culture SN# 111510
S1	R	Ion Chromatograph	Ion Chromatograph Thermo Scientific, Dionex Aquion, P/N 22176-6002, SN190220071
S1	R	Ion Chromatograph	Software: Chromeleon Version 7.3.1

Location	ID	Instrument Type	Instrument Make and Model
S1	R	Ion Chromatograph	Autosampler Thermo Scientific, AS-DV, S/N 180613862
S1	S	Turbidimeter	Hach 2100N SN: 11080C027766
S1	T	pH meter	Mettler Toledo Model: SevenEasy, SN: 1228225041
S1	TP	pH meter probe	Mettler Toledo Model: SevenEasy
S1	V	Thermometer (IR Gun)	Ryobi Tech IR Thermometer
S1	X	Hot Plate	Corning, PC-320 440898, SN 03025949
S1	XX	Inhibitor Dispenser	Hach Nitrification Inhibitor Dispenser
S1	XX	Nitrification Bottle	Nitrification Bottle
S1	ZA	Colorimeter	Hach Pocket Colorimeter II SN 12040E196573
S2	B	Incubator	Fisher Scientific Model 637D, SN: 70800141
S2	C	Manifold	Filtration Manifold for 3 (white), SN: TLH1001
S2	DI	DiWater System	Evoqua DiWater System, System Account No./Serial No. 0683019212
S2	F	Pump	WW Grainger series oil-less vacuum pump, Model 4F740A, L10J060253
S2	G	Refrigerator	Kenmore Refrigerator (2.5 CuFt), Model 93382, BK12106208931291
S2	J	UV Lamp	UV Lamp, Blak-Ray Model UVL-56, cert # 1010.1-Oc
S2	K	Autoclave	Market Forge 10-6226-D
S2	K1	UV Sterilizer	Millipore, 115 V.A.C -60Hz 0.5AMP, SN xx6370000
S2	H	Waterbath	Thermo Scientific Waterbath E473332, Precision CIR 19, SN300638371
S2	L	Waterbath	Thermo-Fisher waterbath precision Model 283 SM: 265160-2288
S2	M	Incubator	Thermo Fisher Multiblok incubator SN C1648110731587
S2	Y	Hot Plate	Corning. PC-620 S/N: 230898123995
S3	A	Refrigerator	Fridgidaire Model FFTR1814TWB, SN BA00808702
S3	B	Ice Maker	Motak, Model PKB0425, SN1120708020
T1	A	Pump	Homasy Model: GD034B, SN: 20F11 (aerator for T1W)
T1	B	Incubator	VWR Forced Air Incubator 2.3CF SN: 42721730
T1	C	Refrigerator	Hotpoint Model HTS16ABMFRWM S/N VF752347
T1	D	Autoclave	Market Forge Autoclave Model STM-86, S/N: 8186
T1	E	Manifold	6-place manifold made by AEL
T1	G	Incubator	VWR F Air 13.4 CF SN: 41892478
T1	J	Manifold	Nalgene 3 - Fecal Coliform Filtering Manifold
T1	K	Manifold	Nalgene 3 - Total Coliform Filtering Manifold
T1	L	Waterbath	LW Scientific Model DSB-1000D S/N 1212103
T1	M	Incubator	Binder Incubator, BD 56-UL, SN16-14035, Asset# 8223
T1	N	Refrigerator	Frigidaire Mini fridge, S/N A2403538520000061
T1	O	Electric Pipette Dispenser	VWR, Electric Pipette Dispenser, SN: GP247AG000347
T1	P	Dessicator	Pyrex Brasil Round Dessicator
T1	Q	Incubator	MesaLabs, 1480 Incubator SN: ET24111006
T1	R	Incubator	VWR AIR Jacketed CO2 Incubator Basic, 10810-888, S/N V4202442402
T1	S	Stir/Hot Plate	Corning Model PC-320
T1	T	UV Sterilizer	Millipore UV Sterilizer, S/N: XX6370000
T1	W	Waterbath	Thermo Scientific Waterbath, Mod: TSGP20, SN: 300264452
T1	X	Incubator	VWR Forced Air Incubator SN: 43286367
T1	AA	UV Lamp	Spectroline EA-160 Longwave UV Lamp SN: 1103053
T1	AD	Refrigerator	Haier Compact Fridge Model HC46SF10SB S/N: 1403016308
T1	AE	Pipette	VWR Ergonomic High-Performance, 0.1-1.0mL S/N: E42760332
T1	AL	Heating Block	Thermo Multiblok Model 2050 S/N C1648110831870
T1	AM	Stir/Hot Plate	Vevor Hot plater stirrer, S/N 231255609040082
T1	AN	Waterbath	LW Scientific Model WBP-20L7-HD71 S/N SBD2-21030025

Location	ID	Instrument Type	Instrument Make and Model
T1	AO	Membrane Dispenser	EZ-Pak Millipore Model EZDISP001 S/N 001196
T1	AP	Membrane Dispenser	EZ-Pak Millipore Model EZDISP001 S/N 003099
T1	AQ	Pump (FC)	Gast Model DOA-P704-AA SN: 0717004367
T1	AR	Pump (TC)	Gast Model DOA-P704-AA S/N 1212052200
T1	AT	Dessicator	Sanplatec Dry-Keeper (Dessicator)
T1	AU	Hood	Labconco,
T1	AV	Waterbath	LW Scientific Model WBL-20LC-SSD1 S/N SBD2-22040076
T1	AW	UV Lamp	IDEXX UV Viewer PLUS, SN: UVP1001024
T1	CC	Dessicator	Dessicator
T1	SE	Q-Tray Sealer	Quanti-Tray Sealer PLUS, IDEXX, model 89-0003936, SN: QTP13182503880.
T2	A	Pipette	Eppendorf 2-20uL Pipette SN 391418A
T2	B	Conductivity meter	YSI Pro 30 S/N: 21F104109 (M) 20B140039 (P)
T2	C	Pipette	Thermo Scientific S/N: SU19558, Model: Finnpiptette F2 1-10mL
T2	D	Settling Cone	Bel-Art Imhoff Settling Cone; 1000ml, Mod 389900000, No SN
T2	E	Settling Cone	Bel-Art Imhoff Settling Cone; 1000ml, Mod 389900000, No SN
T2	F	Oven	VWR Oven Gr Con 3.7CF, Mod 89511-406, SN: 42553851
T2	G	BOD/CBOD Analyzer	Seal ML V3 200M 2BOD-Prep YSI, SN: 8593
T2	G	BOD/CBOD Meters	YSI Pro Solo, SN: 200203735 & 200201873
T2	H	Spectrophotometer	Hach DR 5000 Spectrophotometer S/N: 1191482
T2	I	Pipette	Wheaton Socorex 1-10 mL S/N: 16091243
T2	J	BOD/CBOD Probe	YSI ProOBOD, SN: 20B121937
T2	K	Oven (104C)	Thomas Scientific TSOV2G S/N: 10009307
T2	L	BOD/CBOD Probe	YSI ProOBOD, SN: 20B121933
T2	M	Dessicator	Sanplatec Dry-Keeper (Dessicator)
T2	N	Dessicator	Dry Keeper Sandplate Corp Dessicator for Balance Weights
T2	O	Shaker	Stuart Orbital Shaker SSLI, SN RSR2021J013
T2	P	BOD/CBOD meter	HACH HQ40d Multimeter, SN: 080100016991
T2	Q	BOD/CBOD probe	LDO LBOD101, SN: 080213031424
T2	R	Pipette	Thermo Scientific Finnpiptette F1 0.5-5mL, SN: RU22403
T2	S	BOD Incubator	Thermo Scientific MOD: 3733A, SN: 300377023
T2	U	Vacuum Pump	Gast Vacuum Pump Model DOA-P704-AA, S/N: 0421008765
T2	V	Vortexer	Scientific Industries, Vortex Genie 2, Model G-560
T2	W	Turbidimeter	Hach 2100N Turbidimeter, S/N: 10030C026187
T2	X	Waterbath	Precision Scientific, 265 Circulating Water Bath, SN: 696120773
T2	Y	ph/Ion Meter	Mettler Toledo Five Easy F20 8641137989
T2	Z	Hot plate	Fisher Stir-Plate/Hot-Plate, S/N: 1000019
T2	AA	Pipette	Thermo Scientific Finnpiptette F2 1.0-10mL, SN: SU19559
T2	AB	Weights	Christian Becker Calibration Weights SN: 59110
T2	AD	Spectrophotometer	HACH DR6000 SN 1592211
T2	AE	Stirplate	Magnetic Stirrer SH-2, SN02
T2	AF	Balance	Mettler Toledo ME104 T1100, SN C20441435
T2	AG	Centrifuge	Thermofisher Multifuge x4 Pro-MD, SN 42886157
T2	AH	Conductivity Probe	YSI Pro30 20B140039
T2	AI	Moisture Analyzer	Ohaus Wingfield Scale, MB120, B943468305
T2	AJ	Refridgerator	GE Fridge SN: ZT766122, Model GTS19KGNBRWW
T2	AK	Conductivity Probe	YSI Pro ODO SN: 208140039
T2	AM	Hood	Fisher American Model 6-31-SWNXX-XX, SN: N/A
T2	AN	Pipette	Eppendorf Research Plus SN - Q45582L
T2	AO	SEAL	SEAL AQ2e Discrete Autoanalyzer SN: 090617

Location	ID	Instrument Type	Instrument Make and Model
T2	AP	Pipette	Eppendorf Research Plus SN - Q45681L
T2	AR	BOD Incubator	Thermo Scientific MOD: 3721, SN: WB24834430
T2	AS	Dessicator	Bel-Art Sanplatec Dry Keeper Non-auto, C-3B
T2	AT	SEAL	SEAL Model: AQ300 Discrete Autoanalyzer SN: 031031
T2	AU	Dessicator	SP Bel-Art Secador Auto Dessicator Cabinet, H42057-0001
T2	AV	Pipette	VWR Ergonomic High-Performance, 1-10mL S/N: E42790123
T2	AW	Pipette	VWR Ergonomic High-Performance, 1-10mL S/N: E42790120
T2	AX	SEAL	Seal Quattro 39, SN: 8035329
T2	AY	Pipette	VWR Ergonomic High-Performance, 1-10mL S/N: E42790121
T2	AZ	Waterbath	ThermoScientific Model 2845 SN: 204769
T2	BA	Balance	Mettler Toledo AL104 Balance S/N 1228420314
T2	BC	Pipette	VWR Ergonomic High-Performance S/N: D42762519
T2	BD	SEAL	SEAL AQ2e Discrete Autoanalyzer SN: 090615
T2	BE	Pipette	VWR Ergonomic High-Performance S/N: D42762351
T2	BF	Pipette	VWR Ergonomic High-Performance, 1-10mL S/N: E42790119
T2	BG	Digestion Block	Env. Exp SC100, SN: 2024CECW6258
T2	BH	Pipette	VWR Ergonomic High-Performance, 0.1 - 1.0 mL S/N: E42761358
T2	BI	Pipette	VWR Ergonomic High-Performance, 0.1 - 1.0 mL S/N: E42761404
T2	BK	Pipette	VWR Ergonomic High-Performance, 1.0 - 10.0 mL S/N: E42790170
T2	BL	Pipette	Wheaton Socorex 100-1000 uL S/N: 06041167
T2	BM	Alkalinity Autoanalyzer	PC-1000-102/4 S/N: MS-0C9-553
T2	BM	Alkalinity Autoanalyzer	PC-1300-475 S/N: MS-0B9-783
T2	BM	Alkalinity Autoanalyzer	PB-10021 S/N: MS-0D8-126
T2	BM	Alkalinity Autoanalyzer	PC-1104-00 S/N: MS-0B9-914
T2	BN	Pipette	VWR Ergonomic High-Performance, 1.0 - 10.0 mL S/N: E42790198
T2	BO	pH probe	Mettler Toledo Part# 51343101, SN: 4430801
T2	BP	Solid Sample Module	Shimadzu Solid Sample Module SSM-5000A S/N: H52504600424NK
T2	BR	Refrigerator	Frigidare All Refrigerator S/N: FRU17G4JW9
T2	BS	Shaker	Burrell Wrist Action Shaker Model 75 SN: J000259
T2	BT	Refrigerator	Bangson, US-BSR-100-2 / US-BSR-101-2, SN60335 / 1377689
T2	BU	Pipette	Wheaton Socorex 100-1000 uL S/N: 17041133
T2	BX	Micro Distillation	Lachat Micro Distillation System S/N: 100700002080
T2	BY	Refridgerator	COD Fridge
T2	BZ	QUATTRO	Quattro S/N: 8004332
T2	BZ	QUATTRO	Quattro XY-2 Sampler S/N: 5019A15442
T2	CA	Pipette	VWR Ergonomic High-Performance, 0.5-5.0mL S/N: E42780381
T2	CB	Pipette	VWR Ergonomic High-Performance, 0.5-5.0mL S/N: E42780469
T2	CC1	Ion Chromatograph	Metrohm 930 Compact IC Flex S/N: 1930200014153; 1858002005369
T2	CD	Pipette	Fisherbrand Finnpipette II 100-1000uL SN: HH87983
T2	CE	Cyanide analyzer	SEAL AA500 SN: 8061713
T2	CE	Cyanide autosampler	SEAL AS4 SN: 2430
T2	CF	Cyanide Probe	SEAL amperometry probe S/N: 2430
T2	CG	Refrigerator	Frigidare Model #: FRAE2024AW, S/N: BA51919027
T2	CJ	Digestion Block	SEAL BD50 Digestion Block S/N: 5146U00666
T2	CJ	Digestion Block	SEAL BD "s" Controller S/N: 5146U00667
T2	CK	Refrigerator	Haier Refridgerator, Model-HBCN05FVS S/N: 1108000036
T2	CL	Pipette	Socorex 20-200 uL S/N: 22011118
T2	CM	Pipette	Socorex 20-200 uL S/N: 22011115
T2	CN	pH/Ion meter	Fisher Scientific Accumet XL250 Dual Channel pH/Fluoride Meter S/N:XL94102693

Location	ID	Instrument Type	Instrument Make and Model
T2	CO	BOD Incubator	VWR BOD Incubator Model 3733A S/N 300479670
T2	CQ	Cyanide Manifold	18 position manifold
T2	CR	Cyanide Manifold	12 position manifold
T2	CS	Vacuum Pump	Gast Vacuum Pump S/N: 15006438
T2	CU	Pipette	Socorex 20-200 uL S/N: 21041098
T2	CZ	Vacuum Pump	GE 5KH33DN16HX S/N: 220290
T2	DA	Centrifuge	International Equipment Clinical Centrifuge S/N: 428-24101
T2	DB	Stir/Hot Plate	Thermo Scientific SP88857100 S/N: C3710015041500829
T2	DC	Stir/Hot Plate	Corning PC-420 S/N: 230597148652
T2	DD	Stir Plate	Corning PC-353 S/N: N/A
T2	DE	IR Gun	Mestek IR02C Infrared Therm
T2	DF	Dessicator	Sanplatec Dry-Keeper (Dessicator)
T2	DG	Balance	AE Adam CQT202 S/N: AE75314173
T2	DJ	Vacuum Pump	Gast Vacuum Pump S/N: 0616006832
T2	DO	BOD Incubator	Precision MFU20F3GW6, S/N: WB91702561
T2	DQ	Oven	Quincy Lab 20GC, S/N: G2-3736
T2	DT	Oven	Quincy Lab Oven, Model 40E, SN-G4E:00592
T2	DW	Hood	Air Science PURAIR-P5-48, S/N: P80376
T2	DX	Dispenser	Barnstead Labindustries Repipet III 0.5-10mL
T2	DZ	TKN-TP Digestor	Gerhardt Model EBLs SN: 5713180088
T2	EA	Dessicator	Nalgene Cat #: 5317-0120
T2	EB	Fluoride Probe	Cole-Parmer Electrode, Fluoride 27502-19
T2	EE	Titration Stand	N/A
T2	II	Digestion Block	COD Reactor, Env Exp, S/N: 2020CODW142
T2	KK	Pipette	Wheaton Socorex 1-10 mL S/N: 13091133
T2	MK	Hot Block	Environmental Express SC100- SN#424CEC0573
T2	PA	Pipette	Socorex Acura 825 20uL pipette-SN 28061072
T2	PB	Pipette	Socorex Acura 825 1000uL pipette-SN 27091783
T2	PC	Pipette	Socorex Acura 825 1000uL pipette-SN 28012162
T2	RR1	Aerator	Aqua Culture SN: 031510
T2	RR2	Aerator	Aqua Culture SN: 031510b
T2	RR3	Aerator	Unicliffe Aerator
T2	RR4	Aerator	Second Nature – Model: Whisper 400, SN: Jan 08 1997
T2	SA	Vacuum Pump (Residues)	Gast Model: DOA-P704-PA, S/N: 0220313348
T2	SB	pH Probe	Mettler Toledo Part# 51343101, SN: 4393932
T2	SF	TOC Autoanalyzer	Shimadzu TOC-L CSH, S/N: H54426130296 CS
T2	SF	TOC AutoSampler	Shimadzu ASI-L, S/N: H57416105459
T2	SR	Manifold	Filter Funnel Manifold 3-place PVC
T2	SW	Manifold	Stable Weigh filling station SN: 56-8025
T2	XX	Nitr Inhibitor Dispenser	Nitrification Inhibitor Dispenser
T3	A	Shaker	Glas-col, Model #099A NSM12, SN: 12094283
T3	B	Oven	Drying Oven, Equatherm
T3	C	Hood	Fisher American Model 6-31-SWNXX-XX, SN: 001670061020
T3	D	Shaker	GLAS-COL VS5502, SN: 253003
T3	E	Pipette	Thermo Scientific Finpipette F2 1-10mL SN: TU04596
T3	F	Centrifuge	IEC Clinical
T3	G	Re-pipettor	Kontes 60mL re-pipettor
T3	H	Hood	Labconco Mdo 206514 SN: c2247300
T3	J	Dispenser	Dispensette S by Brand Scientific Inc DE-M 15 and SN: 09N59557
T3	K	Oven	Gallenkamp Incubator 1PR225.XX1.1 S/N SG92/08/113

Location	ID	Instrument Type	Instrument Make and Model
T3	L	Weights	Mettler Toldedo, 4000022579, ID 22579
T3	M	Pipette	VWR Ergonomic High-Performance, 1-10mL S/N: E42790041
T3	O	Hood	Hemco Mod 31411, SN# H11-4797
T3	R	Shaker	Shaker, Thames Technologies, Inc., 4 position
T3	S	Sonicator	Sonicator, Branson, Model 8510, S/N: RPA100734054F
T3	T	Turbovap	Concentrator, Zymark model: TurboVap II, S/N: TV0351N12079
T3	U	Turbovap	Caliper Life Sciences, Turbo Vap II S/N: TV10846N14915
T3	V	Turbovap	Caliper Life Sciences, Turbo Vap II S/N: TV1048N16240
T3	X	Turbovap	Zymark Center, Turbp Vap S/N: TV9736N7688
T3	Z	Pipette	Eppendorf Research Plus SN - G66091M
T3	AA	Hood	Labconco Purifier Class II Safety Cabinet 36208-00 SN: 223243
T3	AA	Dispenser	Barnstead Labindustries Repipet III 0.5-10mL Dispenser
T3	AB	Hood	Nualve Model: NU-425-600, SN: 23636 WW
T3	AC	Sonicator	Branson, Model 8510R-DTH, SN RPC080610358E
T3	AD	Hood	Fisher American Model 6-31-SWNXX-XX, SN: N/A
T3	AE	Refrigerator	Atosa B Series, Model: MCF8707, S:MCF870707716091800C40013
T3	AF	Dispenser	Dispensette S Organic Analog 10-100mL, SN: 24C69023
T3	AH	Refrigerator	Hotpoint Fridge HTS18GBSARWW S/N RM738789
T3	BA	Balance	Cole Palmer 12 vac 800ma SN: PL98001181
T3	BB	Pipette	Thermo Scientific, Finn timer F2 1-10mL, SN VU23761
T3	BC	Microwave Digestor	Ethos X Digester, SN 24108299 w/Terminal 660 SN 24097760, Software: EasyCONTROL-660 Rev. 02-F-SP2
T3	W2	Waterbath	ThermoFisher Model 180 series 2835 S/N: 295627-1153
T4	A	GC-MS	Shimadzu GC-2010, GCMS-QP2010 SE S/N 020535350268 US Software: LabSolutions 4.45
T4	B	FID	Perkin Elmer Clarus GC, FID detector S/N: 650N3111209 Software: Totalchrom 6.3.2.0646
T4	C	ECD	Perkin Elmer Clarus 500 GC, dual column, dual ECD, single injector, S/N: 650N8022904 Software: Totalchrom 6.3.2.0646
T4	D	GC-MS	Shimadzu Mod: GCMS-QP2020 NX, SN: 021745850334 Software: LabSolutions 4.52
T4	G	Refrigerator	Whirlpool, cat#WH31S1E, ser # T88170909159
T4	I	FID	Perkin Elmer Clarus GC, FID detector SN 650N4032903 Software: Totalchrom 6.3.2.0646
T4	M	ECD	Perkin Elmer Clarus 500 GC, dual column, dual ECD, S/N: 650N5022501 Software: Totalchrom 6.3.2.0646
T4	W	GCMS	Shimadzu GCMS-QP2020NX, SN: 021745950521 Software: LabSolutions 4.52
T4	X	ECD	Perkin Elmer Clarus 590 – dual ECD detector, SN: 590S21070501 Software: Totalchrom 6.3.4.0700
T4	Y	ECD	Perkin Elmer Clarus 590 – dual ECD detector, SN: 590S23073101 Software: Totalchrom 6.3.2.0646
T5	C	GC-MS	Shimadzu GCMS-QP2010SE S/N: 020535350270 Software: LabSolutions 4.45 SPI
T5	C	GC-MS	Concentrator - EST S/N: EV672051415 Software: Evolution 2.3.05
T5	C	GC-MS	Autosampler: EST Centurion WS S/N: CENTS208121510 Software: Centurion 2.3.01
T5	D	GC-MS	Shimadzu GCMS-QP2010SE S/N: 020535550377 Software: LabSolutions 4.45 SPI
T5	D	GC-MS	Autosampler: EST Centurion WS S/N: CENTS555041018 , SPCS/N: 416082120804 Software: Centurion 2.3.05
T5	D	GC-MS	Concentrator: EST SN: EV877092117 Software: Evolution 2.3.05
T5	E	Refrigerator	Hotpoint Fridge Model HTS18GBSARWW S/N RM738833
T5	F	Pipette	Thermo Scientific Finn timer F1 0.5-5 mL S/N: TU27056
T5	G	Refrigerator	Frigidaire, Model: FRAE2024AW, SN: BA52128035
T5	H	Balance	Ohaus Scout Pro Balance S/N 7130441177
T5	J	Pipette	Eppendorf Research Plus SN - G00240M
T5	K	Refrigerator	Fridgidaire LFFH20F3QWC S/N: WB61145404
T5	M	Pipette	VWR Ergonomic High-Performance, 1-10mL S/N: E42790041
T5	N	Water purifier	Thermo Scientific, Barnstead Micropur ST, SN41759414
T5	X	GC-MS	Shimadzu GC-2010, GCMS-QP2010 SE S/N 020535150147 US Software: LabSolutions 4.45
T5	X	GC-MS	Concentrator: EST SN: EVX1214072420 Software: Evolution 2.3.05
T5	X	GC-MS	Autosampler: EST Cent WS SN: CENTS555041018 Software: Centurion 2.3.06
T5	Y	Water Purifier	Barnstead™ MicroPure™ Water Purification System, S/N 41936173

Location	ID	Instrument Type	Instrument Make and Model
T6	A	Rotator	Bodine Electric Company Model: DC-20 8 - place rotator No:07410072, S/N: 5685XCBA0023
T6	B	Rotator	Bodine Electric Company Rotator, S/N: 0685EPGA10106
T6	C	Rotator	Thames Tech Rotator
T6	D	Rotator	8 position Bodine Rotator, S/N: 5685SMAP0042
T6	D	Timer	Fisher Scientific Traceable Timer S/N 130133083
T7	A	Water purifier	Veolia MOD: CLXXXUVM2-US, SN: CLA00003436
T7	B	Mercury analyzer	FIMS 100 Mercury analysis system from Perkin Elmer, SN:101S20090901
T7	B	Mercury autosampler	Cetac S23 Autosampler from Perkin Elmer, SN:092020S23
T7	C	Mercury Analyzer	AquaCounter HG400 & Autosampler S/N: P638022-05 - out of service
T7	D	Digestion Block	Environmental Express MOD: SC154, SN: 2019CECW5264
T7	E	Pipette	Socorex 20-200 uL S/N: 17121020
T7	F	Pipette	Wheaton Socorex 0.2-2.0 mL S/N: 17121020
T7	G	ICP	Thermo Scientific, ICAP PRO SERIES, SN: iCAPPRO60094
T7	G	ICP autosampler	Teledyne ASX-560, SN: 0320142A560
T7	G	ICP Chiller	Thermo Fisher Scientific Mod: Flex 900, SN: 1122603401190515
T7	I	Digestion Block	CPI MOD Block S/N: 05-C0530
T7	J	Digestion Block	CPI MOD Block S/N: 4030311
T7	M	Balance	Highland HCB602aM Adam Equipment Toploading Balance SN: AEA3F00045
T7	N	Pipette	Thermo Scientific Finpipette F1 1-10mL SN: SU16920
T7	P	GFAA	PinAAcle 900Z S/N:PZAS19010701
T7	P	GFAA Autosampler	AS900 S/N:AS9C18080725
T7	P	GFAA Chiller	SN: 319S16030401
T7	Q	Pipette	Wheaton Socorex 0.2-2.0 mL S/N: 08062293
T7	R	Pipette	Socorex 10m pipette Model 832 SN: 29071011
T7	S	GFAA	PinAAcle 900Z S/N:PZAS16030901
T7	S	GFAA Autosampler	AS900 S/N:AS9S1632302

FACILITIES LOCATION ADDRESSES & DESCRIPTION

Jacksonville
6681 Southpoint Parkway
Jacksonville, FL 32216
904-363-9350 (P)

Gainesville
4965 SW 41st Blvd.
Gainesville, FL 32608
352-377-2349 (P)

Fort Myers
13100 Westlinks Ter, Ste 10
Fort Myers, FL 33913
239-674-8130 (P)

Tampa
9610 Princess Palm Avenue
Tampa, FL 33619
813-630-9616 (P)

Orlando
380 North Lake Blvd., Suite 1048
Altamonte Springs, FL 32701
407-937-1594 (P)

Lake Placid
125 Tower Street
Lake Placid, FL 33852
863-655-4022 (P)

Tallahassee
2639 North Monroe St. Suite D
Tallahassee, FL 32303
850-219-6274 (P)

Miami - Miramar
10200 USA Today Way
Miramar, FL 33025
Phone: 954-889-2288 (P)

Advanced Environmental Laboratories Inc.

Todd Romero, Director of Client Services

BIDDER'S COMPANY NAME
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CONTACT PERSON (Name) (Title)
904-363-9350

MAILING ADDRESS
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tromero@aellab.com

CITY, STATE AND ZIP CODE

EMAIL ADDRESS

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ADVANCED ENVIRONMENTAL LABORATORIES INC.

Hernando County Laboratory Testing Services

25-T01014/JG

4.4 List of Personnel

Full name	Position	Laboratory
Abare, Vivian M	Quality Assurance Officer	Tampa
Abbatiello, Joshua A	Analyst I / Metals	Tampa
Allen III, Dalton F	Field Service Lead/Facility Mg	Corporate
Archiquette, Madison	Analyst I / Wet Chem & Micro	Tampa
Ardasenova, Dana	Analyst I / WetChem	Tampa
Ashley, Amy G	Quality Assurance Officer	Tampa
Bartolo Jr Jr., Robert	Technical Director	Corporate
Beaman, Shannon L	Field Technician	Tampa
Beck, Brandon M	Vice President Operations	Corporate
Bell, Susan O	Client Services Manager	Tampa
Bickley, Renee E	Admin. Assistant/AP Specialist	Corporate
Bradley, Kito-xtansoma V	Analyst I / SemiVols	Tampa
Brooks, Legion G	Sample Receiving	Tampa
Buchko, Anthony	Corporate Technical Lead Inorg	Corporate
Cammarata, Michael L	Laboratory Manager	Tampa
Clark, Scott A	IT Director	Corporate
Cooper, Bailey S	Analyst I / Metals	Tampa
DeVilbiss, Brandy	Project Manager I	Tampa
Dietrich, Brandon T	Analyst I / WetChem	Tampa
Fabrizio, Nicholas A	Department Manager Organics	Tampa
Ferguson, Grace A	Analyst I / Micro	Tampa
Fishel, Arthur L	Analyst I / Extractions	Tampa
Fluehr, Paulina G	Marketing Manager	Corporate
French, Marisa	Human Resources Manager	Corporate
Garcia, Sydney	Analyst I / WetChem	Tampa
Gearhart, Caitlyn M	Department Manager Inorganics	Tampa
Ged, Charles M	President	Corporate
Ged, Evan C	Operations Manager	Corporate
Ged, Jennifer G	Vice President	Corporate
Gonzalez, Reinaldo	Sample Receiving	Tampa
Harris, John C	Analyst I / Extractions	Tampa
Helms, Steven T	Field Technician	Tampa
Hodgdon, Cydne	Analyst I / SemiVols / Intern	Tampa
Humbertson Jr., Ralph C	Courier & Sample Receiving	Tampa
Kramer, Kristen	Analyst I / SemiVols	Tampa
Kulkarni, Unmani R	Analyst I / Vols	Tampa
Kurtz, Joseph D	Corporate Technical Lead	Corporate
Latzke, Cassidy E	Analyst I / Micro	Tampa
Laurion, Megan T	Analyst I / WetChem	Tampa
Lee, Margaret	Analyst I / WetChem	Tampa



ADVANCED ENVIRONMENTAL LABORATORIES INC.

Hernando County Laboratory Testing Services

25-T01014/JG

Liskey, Ethan A	Analyst I / Extractions	Tampa
Lloyd, Brooke T	Sample Receiving	Tampa
Mangrum, Lori Anne S	Quality Assurance Director	Corporate
Martinez, Jose J	Courier	Tampa
Miller, Tiffany	Analyst I / Extractions	Tampa
Minor, Hailey	Analyst I / SemiVols	Tampa
Morrow, Sydney K	Analyst I / Extractions	Tampa
Munoz, Ashley V	Analyst I / WetChem	Tampa
Nardone, Alanya	Analyst I / WetChem	Tampa
Nguyen, Brenda A	Sample Rec / Courier	Tampa
Parker, Heidi D	Project Manager II	Tampa
Pasqualini, Kaitlyn E	Project Manager Asst.	Tampa
Reyes Zambrano, Paola A	Analyst I / WetChem	Tampa
Richman, Kaila A	Marketing/Graphic Design Inter	Corporate
Rickett, Courtney E	Junior Systems Administrator	Corporate
Romero, Todd L	Director of Client Services	Corporate
Schwindt, Zackary A	Analyst I / WetChem	Tampa
Seymour, Rebeka	Analyst I / Micro	Tampa
Shimer, Sierra A	Analyst I / WetChem	Tampa
Smith, Jarrett A	Staff Accountant	Corporate
Speidel, Shawn J	Courier	Tampa
Stapels, Gabrielle R	Analyst I / WetChem	Tampa
Stiles, Jessica D	Analyst I / Metals	Tampa
Thomason, Michael S	IT Administrator	Corporate
Tyler, Wesley R	Sales Account Executive	Tampa
Visser, Lindsey A	Technical Program Manager	Corporate
Voorbrood, Carol A	Sample Receiving TL	Tampa
West, Jennifer L	Accounts Receivable Manager	Corporate
Wilcox, Sheila K	Project Manager II	Tampa

Anti-Human Trafficking Affidavit

In compliance with Fla. Stat. § 787.06(13), this affidavit must be completed by an officer or representative of a nongovernmental entity that is executing, renewing, or extending a contract with Hernando County or any of its subordinate units (the "Governmental Entity").

1. My name is Charles M. Ged and I am over eighteen years of age. The following information is given from my own personal knowledge.
2. I am an officer or representative with President of Advanced Environmental Laboratories Inc., a nongovernmental entity (the "Nongovernmental Entity"). I am authorized to provide this affidavit on behalf of Nongovernmental Entity.
3. Neither Nongovernmental Entity, nor any of its subsidiaries or affiliates, uses *coercion* for *labor* or *services*, as such italicized terms are defined in Fla. Stat. § 787.06, as it may be amended from time to time.
4. If, at any time in the future, Nongovernmental Entity does use coercion for labor or services, Nongovernmental Entity will immediately notify Governmental Entity and no contracts may be executed, renewed, or extended between the parties.
5. This declaration is made pursuant to Fla, Stat. § 92.525. I understand that making a false statement in this declaration may subject me to criminal penalties.

Under penalties of perjury, I Charles M. Ged, declare that I have read the foregoing Anti-Human Trafficking Affidavit and that the facts stated in it are true.

FURTHER AFFIANT SAYETH NAUGHT.

Advanced Environmental Laboratories Inc.

Name of Nongovernmental Entity

Charles M. Ged

Printed Name of Affiant

President/Owner

Title of Affiant

Charles M. Ged

Signature of Affiant

9/3/25

Date