



Bid Number 50-00146464

**PURCHASE OF AMMONIA MONOCHLORAMINE ANALYZER FOR THE
JEFFERSON PARISH DEPARTMENT OF WATER**

BID DUE: October 24, 2024 AT 2:00 PM

ATTENTION VENDORS!!!

Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received on the Purchasing Department's eProcurement site, www.jeffparishbids.net, by the bid due date and time. Late bids will not be accepted.

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053
Purchasing Specialist: Ruby Tran
Email: ruby.tran@jeffparish.gov
Phone: 504-364-2687**

DATE: 10/02/2024

BID NO.: 50-00146464

INVITATION TO BID
THIS IS NOT AN ORDER

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JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

PURCHASING SPECIALIST:
RUBY.TRAN@jeffparish.gov

BIDS WILL BE RECEIVED ONLINE VIA WWW.JEFFPARISHBIDS.NET UNTIL 2:00 PM, 10/24/2024 AND PUBLICLY OPENED THEREAFTER IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053. At no charge, bidders are to submit via Jefferson Parish's electronic procurement page by visiting www.jeffparishbids.net to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.

LATE BIDS WILL NOT BE ACCEPTED

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION. HOWEVER, ELECTRONIC SIGNATURES AS DEFINED IN LSA - R.S. 9:2620(8) ARE ACCEPTABLE. SIGNATURE MUST BE A SECURED DIGITAL SIGNATURE AND MUST PROVIDE PROOF OF THE SECURED SIGNATURE WITH BID SUBMISSION.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 136353 and/or Resolution No. 141125 as amended.

Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission, warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://www.jeffparish.gov/464/Purchasing> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing via email to the Purchasing Specialist's email address as indicated above, no later than Five (5) working days prior to the bid opening. Bid numbers should be mentioned in all requests. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

Visit our website at [HTTP://WWW.JEFFPARISH.GOV/464/PURCHASING](http://WWW.JEFFPARISH.GOV/464/PURCHASING)

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge any Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://www.jeffparish.gov/464/Purchasing> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://www.jeffparish.gov/464/Purchasing> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

PROTESTS: Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-914.1 of the Jefferson Parish Code of Ordinances.)

PREFERENCE: Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA – R.S. 38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and local taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://www.jeffparish.gov/464/Purchasing>.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 136353 or 141125 as amended. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://www.jeffparish.gov/464/Purchasing> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW. IF THE NUMBER IS NOT SPECIFIED IN THIS BOX, IT IS NOT APPLICABLE FOR THIS BID.

10, 13, 15

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(l), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department Building Permits. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Building Permits. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable municipality, Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid electronic envelope. Failure to comply will cause the bid to be rejected. When submitting the bid electronically, the license number must be entered in the appropriate field in the electronic procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precaution must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. All bidders must comply with the requirements stated in the attached "Standard Insurance Requirements" sheet attached to this bid solicitation. Any deviation from the Standard Insurance Requirements must be requested in writing prior to bid opening. Written approval for any deviation, must be submitted with your bid submission. Failure to comply with this instruction will result in bid rejection.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. All sureties must be in original format (no copies) When submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required; This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted as per the appendix instructions. Failure to submit applicable certifications per the appendix instructions will result in bid rejection.

17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which is permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment."). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owed on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session - Louisiana Revised Statute 47:301(8)(c). Owner will furnish to contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment, and report to Owner the amount of taxes not incurred.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to JPCO 2-155.10(19). By signing this document, every corporation, partnership, or person contracting with PARISH, whether by cooperative endeavor, intergovernmental agreement, bid, proposal, application or solicitation for a parish contract, and every application for certification of eligibility for a parish contract or program, attests that it understands and will abide by all provisions of JPCO 2-155.10.

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES XX NO _____

MAXIMUM ESCALATION PERCENTAGE REQUESTED 5 %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF January 31, 2025.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES 3 Weeks A.R.O.

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) 40936

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: C.C. LYNCH AND ASSOCIATES, INC.

ADDRESS: 300 Davis Avenue

CITY, STATE: Pass Christian, MS ZIP: 39571

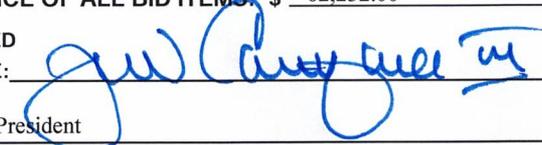
TELEPHONE: (800) 333-2522 FAX: (228) 452-4612

EMAIL ADDRESS: trey@cclynch.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____
NUMBER: _____
NUMBER: _____
NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 62,232.00

AUTHORIZED SIGNATURE: 

John W. Campbell III

Printed Name

TITLE: President

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00146464

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	EA	PURCHASE OF AMMONIA MONOCHLORAMINE ANALYZER FOR THE JEFFERSON PARISH DEPARTMENT OF WATER 0010 PART # 5500.AMC.3.KTO, 5500SC AMMONIA MONOCHLORAMINE ANALYZER,	\$ 29,116.00	\$ 58,232.00
2	2.00	EA	1 CHANNEL WITH EXTERNAL FILTER THE TANK AND SCALE SIZE MUST BE EXACT HF Scientific # 28056 0020 PART # WRTUPG5500SC AMC, WARRANTY PLUS SERVICE AGREEMENT INCLUDE START-UP, ALL PARTS, LABOR AND TRAVEL FOR ON SITE REPAIR, 1 ON SITE CALIBRATION PER YEAR, FACTORY RECOMMENDED MAINTENANCE (INCLUDING REQUIRED PARTS) UNLIMITED TECHNICAL SUPPORT CALLS AND FREE FIRMWARE UPDATES HF Scientific # SESFS12MO	\$ 2,000.00	\$ 4,000.00
			DELIVER TO: JEFFERSON PARISH WB PLANT 4500 WESTBANK EXPRESSWAY MARRERO, LA 70072		

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
C.C. LYNCH AND ASSOCIATES, INC.

INCORPORATED.

AT THE MEETING OF DIRECTORS OF C.C. LYNCH AND ASSOCIATES, INC.
INCORPORATED, DULY NOTICED AND HELD ON October 21, 2024,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT John W. Campbell III, President, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.


SECRETARY-TREASURER

October 21, 2024

DATE

Non-Public Works Bid

AFFIDAVIT

STATE OF Mississippi

PARISH/COUNTY OF Harrison

BEFORE ME, the undersigned authority, personally came and appeared: _____

John W. Campbell III, (Affiant) who after being by me duly sworn, deposed and said that

he/she is the fully authorized President of C.C. LYNCH AND ASSOCIATES, INC. (Entity),

the party who submitted a bid in response to Bid Number 50-00146464, to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B XXXX there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B XXXX There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.


Signature of Affiant

John W. Campbell III
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 22nd DAY OF October, 2024.


Notary Public

Christine B Cooper
Printed Name of Notary

315367
Notary/Bar Roll Number

My commission expires June 15, 2026



STANDARD INSURANCE REQUIREMENTS FOR BIDDING PURPOSES

All required insurance under this bid shall conform to Jefferson Parish Resolution No. 136353 or No. 141125, as applicable. Contractors may not commence any work under any ensuing contract unless and until all required insurance and associated evidentiary requirements thereto have been met, along with any additional specifications contained in the **Invitation to Bid**. Except as where otherwise precluded by law, the Parish Attorney or her designee, with the concurrence of the Director of Risk Management or her designee, may agree on a case-by- case basis, to deviate from Jefferson Parish's standard insurance requirements, as provided in this Section. **Vendors requesting deviation therefrom shall submit such requests in writing, along with compelling substantiation, to the Purchasing Department prior to the bid's due date.** Any changes to the insurance requirements will be reflected in the bid specifications and addenda. Prior to contract execution and at all times thereafter during the term of such contract, contractors must provide and continuously maintain all coverages as required by the foregoing Resolutions, and the contract documents. Failure to do so shall be grounds for suspension, discontinuation or termination of the contract.

For bidding purposes, bidders must submit with bid submission a current (valid) insurance certificate evidencing the required coverages. **Failure to comply will cause the bid to be rejected.** The current insurance certificate will be used for proof of insurance at time of evaluation. Thereafter, and prior to contract execution, the low bidder will be required to provide final insurance certificates to the Parish which shall name **the Parish of Jefferson, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council** as additional insureds regarding negligence by the contractor for the Commercial General Liability and the Comprehensive Automobile Liability policies. Additionally, said certificates should reflect the name of the Parish Department receiving goods and services and reference the respective Jefferson Parish bid number.

JEFFERSON PARISH REQUIRED STANDARD INSURANCE

WORKER'S COMPENSATION INSURANCE

As required by Worker's Compensation Law of the State of the Contractor's headquarters. Employer's Liability is included, with minimum limits of \$500,000 per occurrence, except it shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act.

With a Waiver of Subrogation in favor of The Parish of Jefferson, its Districts, Departments, Agencies and Employees under the direction of the Parish President and the Parish Council, and any other entities who may require waivers by specific contract.

Note: If your company is not required by law to carry workmen's compensation insurance, i.e. sole employee of the company, then bidders must request a workmen's compensation insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy may be submitted with the

bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

COMMERCIAL GENERAL LIABILITY

Limits of not less than the following: \$1,000,000.00 Combined Single Limit Per Occurrence; 2 million General Aggregate for bodily injury and property damage.

With a Waiver of Transfer of Rights of Recovery Against Others to Us in favor of The Parish of Jefferson, its Districts, Departments, Agencies and Employees under the direction of the Parish President and the Parish Council.

BUSINESS AUTOMOBILE LIABILITY

Limits of not less than the following: Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence. Property Damage Liability \$1,000,000.00 each occurrence. Liability coverage to be provided for Any Auto or for ALL Owned Autos and Hired and Non-owned Autos.

With a Waiver of Transfer of Rights of Recovery Against Others to Us in favor of The Parish of Jefferson, its Districts, Departments, Agencies and Employees under the direction of the Parish President and the Parish Council.

Note: This category may be omitted if bidders do not/will not utilize vehicles for the project AS DETERMINED BY Risk Management and Parish Attorney's Office after properly requesting a deviation as discussed above. Bidder must request a deviation prior to bid opening and may be given an automobile insurance declaration affidavit to execute. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

DEDUCTIBLES - The Parish Attorney with concurrence of the Director of Risk Management have waived the deductible section of the Terms and Conditions for all Invitations to Bid, until further notice.

UMBRELLA LIABILITY COVERAGE - An umbrella policy or excess may be used to meet minimum requirements. Certificate of Insurance must state which coverage the Umbrella sits over.

FOR CONSTRUCTION AND RENOVATION PROJECTS:

The following are required if selected below. Such insurance is due upon contract execution.

OWNER'S PROTECTIVE LIABILITY

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

BUILDER'S RISK INSURANCE

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.

BID # 50-00146464 - SPECIFICATIONS

**PURCHASE OF AMMONIA MONOCHLORAMINE ANALYZER FOR
THE JEFFERSON PARISH DEPARTMENT OF WATER**

SECTION 13400

MEASUREMENT AND CONTROL INSTRUMENTATION

PART 1 GENERAL

- 1.1 Section includes:
 - A. Ammonia and Monochloramine process analyzer for continuous monitoring of total and free ammonia and monochloramine in water.
- 1.2 Measurement Procedures
 - A. The analyzer measures total ammonia and monochloramine in drinking water and determines free ammonia concentration. The chemical analysis uses a modified phenate method to measure monochloramine concentration directly by colorimetry. In parallel analysis, an excess of hypochlorite at the correct pH generates total ammonia values measured directly by colorimetry. Immediately after, the analyzer calculates the free ammonia values out of the difference between the directly measured parameters.
- 1.3 Alternates
 - A. Other methods of measurement such as UV absorbance, single parameter colorimetric, or Amperometric analyzers are not allowed.
- 1.4 System Description
 - A. Performance Requirements
 - 1. Measurement Range
 - a. 0.02 to 2.0 mg/L as N (0.1 to 10.0 mg/L as Cl₂)
 - 2. Detection Limit
 - a. 0.01 ppm NO (as N)
 - 3. Accuracy
 - a. 5 % or 0.01 ppm (as N) for 5 to 40 °C (41 to 104 °F); +10% or 0.02 ppm for 40 to 50 °C (104 to 122 °F), whichever is greater
 - 4. Repeatability
 - a. 3 % or 0.01 ppm (as N), whichever is greater
 - 5. Response time at T>90%
 - a. Less than 5 minutes
- 1.5 Certifications
 - A. EMC: CE compliant for conducted and radiated emissions CISPR 11 (Class A limits), EMC Immunity EN 61326-1 (Industrial limits), and EN 61010-1
 - B. Safety: General Purpose UL/CSA 61010-1 with Cetlus safety mark; CSA C22.2 No 61010-1:2012
 - C. NEMA 4x/IP65 dust and water ingress protection rating
 - D. Australian RCM Marking
- 1.6 Environmental Requirements
 - A. Operational Criteria
 - 1. Storage Temperature: -20 to 60 °C (-4 to 140 °F)
 - 2. Operating Temperature: 5 to 50 °C (41 to 122 °F)
 - 3. Relative Humidity: 5 to 95 %, non-condensing
- 1.7 Warranty
 - A. Warranted from manufacturer defects for two years (Europe) or one year (all other geographies) from date of shipment.

BID # 50-00146464 - SPECIFICATIONS

- 1.8 Maintenance and Service
 - A. Scheduled Maintenance
 - 1. Monthly
 - a. Replace the reagent(s), standard(s), and cleaning solution; may be extended depending on chosen cycle time
 - 2. Quarterly
 - a. Clean the instrument
 - b. Clean sample cells and stir bar
 - c. Clean sample holder
 - 3. Semi-annually
 - a. Replace the stir bar
 - 4. Annually
 - a. Replace internal and external sample filter
 - b. Replace the fan filter
 - c. Replace the reagent air filter
 - d. Replace tubing
 - e. Replace the check valve on the colorimeter
 - B. Unscheduled Maintenance
 - 1. Depending on sample composition, sample cells and sample holder may need more frequent cleaning

PART 2 PRODUCTS

- 2.1 Manufacturer
 - A. Hach Company, Loveland, Colorado
 - 1. Hach 5500sc Ammonia Monochloramine Analyzer
- 2.2 Manufactured Unit
 - A. The Hach 5500sc Ammonia Monochloramine analyzer consists of a microprocessor controlled analyzer designed to continually monitor concentration of free and total ammonia and monochloramine in a sample stream. The analyzer also has the capability to intake grab samples for internal measurement and dispense grab samples for external verification
- 2.3 Equipment
 - A. Analyzer
 - 1. The display screen shall be a colored 5.7" LCD screen, and shall include a dashboard view, with measurements recent calibration information, reagent status, and Prognosis indicators.
 - 2. The display screen shall be capable of graphing all available parameters on a scalable time.
 - 3. The analyzer shall be capable of a continual measurement of every 4.5 minutes or a user selectable interval between measurements of 4.5 to 240 minutes.
 - 4. The analyzer shall be capable of grab sample IN (from external source to the analyzer) and grab sample OUT (from the analyzer to external source) to save time, without interrupting continuous sample flow to the analyzer
 - 5. The analyzer shall have Link2sc capability to communicate measurements and provide calibration information between the analyzer and laboratory spectrophotometers.
 - 6. The analyzer must operate using 110-240VAC, 50/60 Hz power
 - 7. The analyzer must perform a self-test and auto-blanking between analysis points to compensate for sample color, turbidity, and changes in light intensity due to voltage fluctuations or light source aging.

BID # 50-00146464 - SPECIFICATIONS

8. The analyzer must be able to conduct 2-point automatic calibration using installed standards.
 9. The analyzer shall operate with an LED light source at a peak wavelength of 650nm.
 10. Four electromechanical, UL rated, SPDT relays (Form C) are provided for user-configurable contacts rated 100 to 230 Vac, 5 Amp at 30 VDC resistive maximum.
 - a. The following can be programmed:
 - 1) Alarm
 - 2) Warning
 - 3) Scheduler
 - 4) Feeder control
 - 5) Event control
 - 6) Specific event alarm (defined in analyzer)
 - b. The following parameters can be assigned to a relay:
 - 1) Total Ammonia measurement
 - 2) Free Ammonia measurement
 - 3) Monochloramine measurement
 - 4) Calculated ratio
 - 5) Real time clock
 11. Four analog 0/4-20 mA outputs (with possibilities to extend to eight (8x)) are provided with a maximum impedance of 500 ohms.
 - a. The following can be programmed:
 - 1) Alarms:
 - i. Low alarm point
 - ii. Low alarm point deadband
 - iii. High alarm point
 - iv. High alarm point deadband
 - v. Off delay
 - vi. On delay
 - 2) Controls:
 - i. Linear
 - i. Bi-linear
 - ii. Logarithmic
 - iii. PID
 - b. The following parameters can be assigned to a 4-20mA output:
 - 1) Total Ammonia measurement
 - 2) Free Ammonia measurement
 - 3) Monochloramine measurement
 - 4) Calculated ratio
 12. The analyzer shall have Prognosis capability to provide self and predictive diagnostics and provide preventive maintenance alerts and reminders
 13. The analyzer shall provide the user with built in help screens
 14. The analyzer shall provide for continuous purge of sample to drain to assure fresh sample to the analyzer and reduce analysis lag time
 15. Sample shall be delivered to the analyzer at the pressure of 2-100 psi to preset pressure regulator
 16. The analyzer shall provide separate discharge lines for unchanged (bypass) and contaminated sample (waste)
 17. Software updates and data extraction shall be completed via an SD card
- B. Reagents and Standards**
1. The analyzer shall use quick connect reagent bottles with pre-installed tubing.
 2. Reagents shall be pressurized using a built-in air compressor
 3. The analyzer shall include a 30 days' supply of reagents (using a 4.5 minute cycle time)

BID # 50-00146464 - SPECIFICATIONS

4. The reagents usage shall be IL of each reagent for every 30 days with a 4.5 minute cycle time
5. Manufacturer shall provide certified pre-mixed reagents and standards

2.4 Components

- A. Standard Equipment
 1. 5500sc Ammonia Monochloramine Analyzer
 2. Installation Kit
 3. Installation Manual
 4. Operations Manual
 5. Maintenance and Troubleshooting Manual
 6. One month supply of reagents, standards, and cleaning solution
- B. Dimensions: 804 mm x 452 mm x 360 mm (31.65 in x 17.79 in x 14.17 in)
- C. Weight: 21 kg (45 lb.) without reagents and standards, 30 kg (66 lb.) with reagents, standards and cleaning solution

2.5 Optional Accessories

- A. Reagents/Standards Replacement Kit
- B. Annual Maintenance Kit
- C. Sample Filtration Kit
- D. Colorimeter Cleaning Kit
- E. RS232/RS485 Modbus output card
- F. 4x 4-20mA analog output card
- G. US Power Cord Kit
- H. EU Power Cord Kit

PART 3 EXECUTION

3.1 Preparation

1. Mounting
 - a. Bench, panel, or wall mount
2. Sample Inlet
 - a. 6mm OD quick connect fitting
3. Drain Outlet
 - a. 11mm (7/16 in.) ID slip-on fitting
4. Sample Flow
 - a. 100 to 1000 mL/minute
5. Sample Pressure
 - a. 2.5 to 100 psi (0.17 to 6.8 bar)
6. Sample Temperature
 - a. 5 to 50 °C (41 to 122 °F)

3.2 Installation

- A. No Installation Required.

BID # 50-00146464 - SPECIFICATIONS

3.3 Manufacturer's Service and Start-Up

- A. Contractor will include the manufacturer's services to perform start-up on instrument to include basic operational training and certification of performance of the instrument.
- B. Contractor will include a manufacturer's Service Agreement that covers all the manufacturer's recommended preventative maintenance, and any necessary repairs beginning from the time of equipment startup through to end user acceptance / plant turnover and the first 12 months of end-user operation post turnover.
- C. Items A and B are to be performed by manufacturer's factory-trained service personnel. Field service and factory repair by personnel not employed by the manufacturer is not allowed.
- D. Use of manufacturer's service parts and reagents is required. Third-party parts and reagents are not approved for use.

END OF SECTION

Have Confidence in Your Chloramination Analyzer

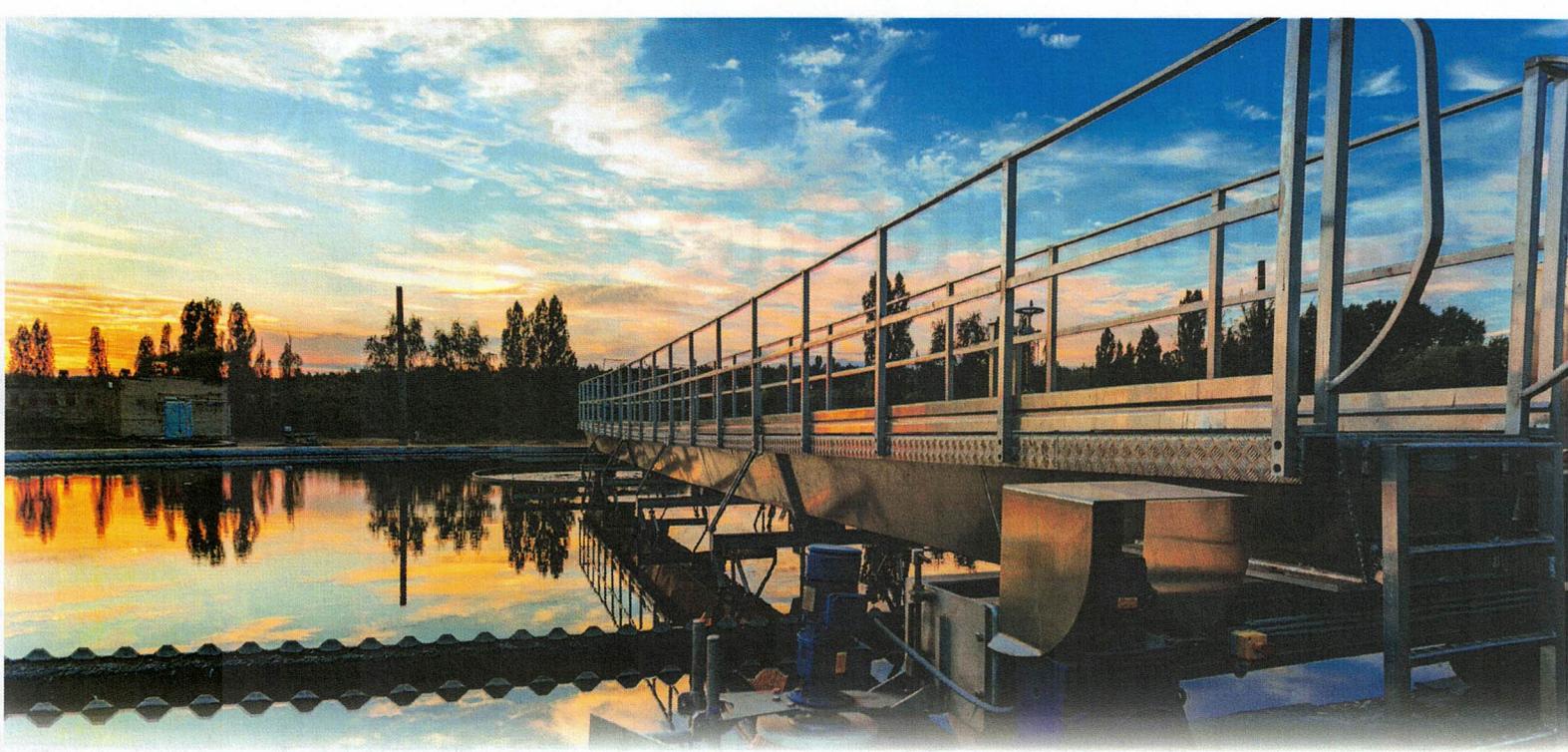


MCX™ Monochloramine Analyzer

- ✓ Reliable, easy-to-use instrumentation
- ✓ Accurate readings every 15 to 20 minutes
- ✓ Save labor, time, and money

 **H scientific**

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Enjoy Hassle-Free Monitoring with Hands-Off Instrumentation

Wasting time troubleshooting your analyzer can be frustrating. For over 40 years, we've been helping plant operators worldwide with easy-to-use, reliable instrumentation they can count on. With the new MCX, you can enjoy peace of mind with steady chemical dosing, reliable readings, and smoother day-to-day operations.



- Accurately measures monochloramine and total ammonia to calculate free ammonia
- Easy, 30-day reagent replacement for continuous operation
- Compatible with a sequencer for multi-stream applications
- Lower total cost of ownership for reagents and maintenance
- Easy to maintain; Uses simple fluidics
- Start-up support when you need it
- Reduce downtime and enjoy peace of mind

See if You Qualify for a 2 Month Demo!



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Job Name _____

Job Location _____

Engineer _____

Approval _____

Contractor _____

Approval _____

Contractor's P.O. No. _____

Representative _____

MCX - Model No 28056

Monochloramine Analyzer

The HF scientific MCX (Monochloramine Analyzer) has been designed to measure and report the concentration of Monochloramine and Ammonia dosing in water samples over specified ranges. The instrument uses the modified phenate method to test for Monochloramine and Ammonia.

When a continuous process stream of water is flowing through the MCX, the instrument will take samples at preset intervals and display the readings. Reporting is made easy with a built-in display/control screen, along with standard 4-20mA outputs or Modbus communication outputs for instant data transfers.



MCX - Monochloramine Analyzer

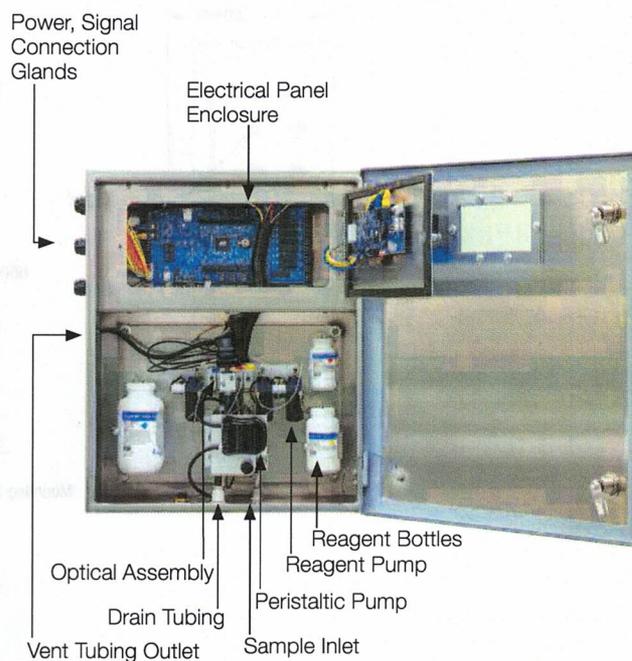
Features

- Accurately measures monochloramine (NH₂CL-CL₂) up to 10ppm and total ammonia (NH₃-N) up to 2ppm
- Calculates Free Ammonia (NH₃-N) up to 2ppm
- Customizable units - Report monochloramine and ammonia values in ppm or mg/L
- Manual and auto measurement modes with adjustable time between analyses
- Standard 4-20mA output communication
- Compatible with a sequencer for a multi-stream analyzer
- Modbus RS485
- Replace reagents every 30 days for continuous operation
- Downloadable readings, error logs and calibration data can be transferred to an external micro USB
- Simple Fluidics
- CAN/CSA and UL certified
- NEMA 4X Enclosure

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Internal View of MCX



HF scientific product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact HF scientific Technical Service. HF scientific reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on HF scientific products previously or subsequently sold.

Specifications

NOTICE

Specifications listed are based on installation/operation at sea level.

Measurement Range	0.02 to 2.0 mg/L as N
Accuracy	±5% or 0.01 ppm (as N) for 16°C to 40°C (61°F to 104°F); ±10% or 0.02 ppm for 40°C to 50°C (104°F to 122°F), whichever is greater
Repeatability	±3% RSD
Time Between Measurements	20 minutes to 24 hours
Display	5" color graphic
Alarms	Two, not powered relays
Communication	Modbus RS485, 4-20mA Output
Operating Humidity	5 to 95%, non-condensing
Operating Temperature Range	16°C to 50°C (41°F to 122°F)
Output	Three 4-20mA Outputs, 1000 Ω drive, isolated
Power Requirements (Hz)	47/63 Hz
Power Requirements (Voltage)	100 - 240 VAC
Sample Flow Rate	185 ml/min. to 225 ml/min. (.044 to .059 Gal/min)
Sample Pressure	124 kPa (18 psi) MAX (see Plumbing Connections section)
Sample Temperature	5°C - 50°C (41°F - 122°F)
Storage Condition	-20 to 60°C (-4 to 140°F), Drained
Wetted Materials	BPT, Polypropylene, 316 Stainless Steel, Viton, Noryl®, Resyn, Borosilicate Glass, PPS, PVDF (Kynar), Fluoroelastomer, Acetal, Nitrile. Additional materials when using the external brass regulator: Bronze, Polyethylene, 304 Stainless Steel, Brass, EPDM, PTFE, Rubber.
Insulation Rating	Double Insulated, Pollution Degree 2, Overvoltage Category II
Enclosure Rating	NEMA 4X
Regulatory Compliance And Certifications	UL, cULus, Lead Free, tested to UL 61010-1 and CSA C22.2
Shipping Weight	88.6 pounds (packaged instrument)

Noryl® is a registered trademark of SHPP Global Technologies B.V.

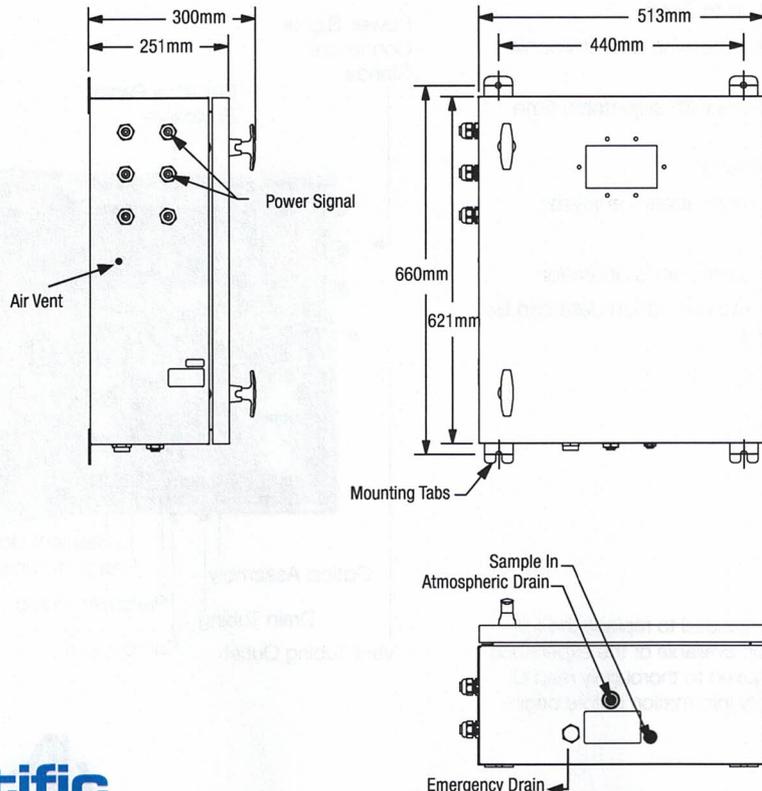
Ordering Information

Catalog Number	Accessory Description
25018S	Replacement Cuvette
28056	MCX Instrument
28141S	Pump Head Replacement Kit
28158S	Pressure Regulator Assembly
28182S	Complete Tubing Replacement Kit
28178S	Reagent Kit
28164S	Air Pump Kit
28181S	Reagent Pump Kit
100240	Operation Manual, MCX
28172S	Heater Replacement Kit
28176S	Grab Sample Kit, External
28179S	Cap and Inlet Tubing Kit
28180S	Replacement Thermocouple
100239S	Replacement USB
110154S	Light Shield Tether
28188S	MCX Flush Kit

To order any accessories or replacement parts, please contact HF scientific's Customer Service Department.

HF scientific
16260 Airport Park Drive, Suite 140
Fort Myers, FL 33913
Phone: 239-337-2116
Toll Free: 888-203-7248
Fax: 239-454-0694
Email: hf.info@wattswater.com
Website: www.hfscientific.com

Dimensions



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PART 1 GENERAL

- 1.1 Section includes:
 - A. Ammonia and Monochloramine process analyzer for continuous monitoring of total and free ammonia and monochloramine in water.
- 1.2 Measurement Procedures
 - A. The analyzer measures total ammonia and monochloramine in drinking water and determines free ammonia concentration. The chemical analysis uses the phenate method to measure monochloramine concentration directly by colorimetry. In subsequent analysis, an excess of hypochlorite at the correct pH generates total ammonia values measured directly by colorimetry. Immediately after, the analyzer calculates the free ammonia values out of the difference between the directly measured parameters.
- 1.3 Alternates
 - A. Other methods of measurement such as UV absorbance, single parameter colorimetric, or amperometric analyzers are not allowed.
- 1.4 System Description
 - A. Performance Requirements
 1. Measurement Range
 - a. 0.02 to 2.0 mg/L as N (0.1 to 10.0 mg/L as Cl₂)
 2. Detection Limit
 - a. 0.01 ppm NH₄ (as N)
 3. Accuracy
 - a. ± 5 % or 0.01 ppm (as N) for 16 to 40 °C (41 to 104 °F); ±10% or 0.02 ppm for 40 to 50 °C (104 to 122 °F), whichever is greater
 4. Average Standard Deviation
 - a. 3 % or 0.01 ppm (as N), whichever is greater
 5. Response time at T>90%
 - a. Less than 5 minutes
- 1.5 Certifications
 - A. Safety: General Purpose UL/CSA 61010-1 with cETLus safety mark; CSA C22.2 No 61010-1:2012
 - B. NEMA 4x/IP65 dust and water ingress protection rating
- 1.6 Environmental Requirements
 - A. Operational Criteria
 1. Storage Temperature: -20 to 60 °C (-4 to 140 °F)
 2. Operating Temperature: 5 to 50 °C (41 to 122 °F)
 3. Relative Humidity: 5 to 95 %, non-condensing
- 1.7 Warranty
 - A. Warranted from manufacturer defects for two years from date of shipment.

1.8 Maintenance and Service

A. Scheduled Maintenance

1. Monthly
 - a. Replace the reagent; may be extended depending on chosen cycle time
2. Semi-annually
 - a. Replace tubing assemblies which feed reagent to include: cap assemblies, pump tubes, check valves and duck bills
 - b. Clean measurement cuvette

B. Unscheduled Maintenance

1. Depending on sample composition, sample cells and sample holder may need more frequent cleaning
2. Depending on water hardness, acid may need to be recirculated through the analyzer to clean the heater

PART 2 PRODUCTS

2.1 Manufacturer

- #### A. HF Scientific, Fort Myers, FL
1. MCX Monochloramine analyzer

2.2 Manufactured Unit

- #### A. The MCX Monochloramine analyzer consists of a microprocessor controlled analyzer designed to continually monitor concentration of free and total ammonia and monochloramine in a sample stream. The analyzer also has the capability to intake grab samples for internal measurement.

2.3 Equipment

A. Analyzer

1. The display screen shall be 5" colored capacitive screen
2. The analyzer shall be capable of a continual measurement of every 20 minutes within the ambient temperature range of 50 degrees C to 16 deg C or a user selectable interval between measurements of 20 minutes to 24 hours.
3. The analyzer shall be capable of grab sample IN (from external source to the analyzer)
4. The analyzer must operate using 110-240VAC, 50/60 Hz power
5. The analyzer must perform a self-test and auto-blanking between analysis points to compensate for sample color, turbidity, and changes in light intensity due to voltage fluctuations or light source aging.
6. Reagent delivery shall be performed by a double checked, pumped feedline. Other forms of reagent delivery, such as pressure feed, are not acceptable.
7. The analyzer shall operate with an LED light source at a peak wavelength of 640 nm.
8. Two electromechanical, UL rated, SPDT relays (Form C) are provided for user-configurable contacts rated 100 to 230 Vac, 5 Amp at 30 VDC resistive maximum.
 - a. The following can be programmed:
 - 1) End of Cycle
 - 2) Error
 - 3) Warning
 - b. The following parameters can be assigned to a relay:
 - 1) Total Ammonia Low/High Alarm
 - 2) Monochloramine Low/High Alarm

9. Three analog 4-20 mA outputs are provided with a maximum impedance of 1K ohms.
 - a. The following parameters can be assigned to a 4-20mA output:
 - 1) Total Ammonia measurement
 - 2) Free Ammonia measurement
 - 3) Monochloramine measurement
10. Analyzer shall support interface with an external sample sequencer which can be added at any time
11. Sample shall be delivered to the analyzer at the pressure of 2–100 psi to preset pressure regulator
12. Software updates and data extraction shall be completed via an MicroUSB stick

B. Reagents and Standards

1. The contractor shall include a 30 days supply of reagents (using a 18 minute cycle time)
2. The reagents usage shall be 1 bottle of each reagent for every 30 days with a 18 minute cycle time
3. Manufacturer shall provide certified pre-mixed reagents and standards

2.4 Components

A. Standard Equipment

1. MCX Monochloramine analyzer
2. MCX USB Stick with manuals
3. External regulator for use in high pressure applications

B. Dimensions: 660 mm (height) x 513mm (width) x 253 mm (depth)
Weight: 83 lb without reagents

2.5 Required Accessories

- A. Reagents
- B. Complete Tubing kit

PART 3 EXECUTION

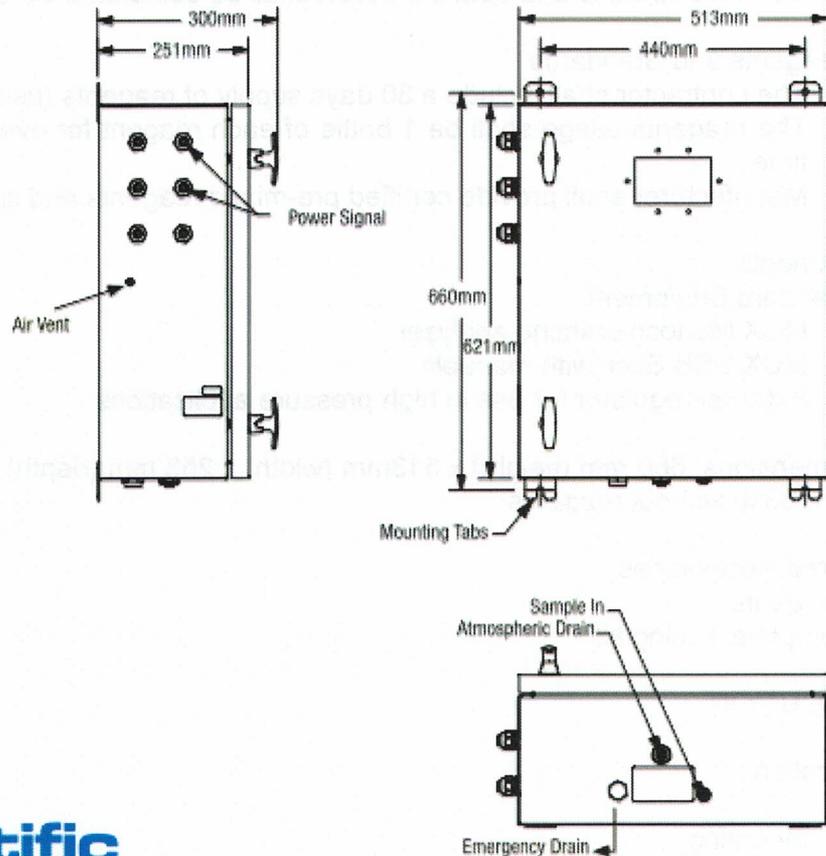
3.1 Preparation

1. Mounting
 - a. Wall mount
2. Sample Inlet
 - a. 1/4" OD quick connect fitting
3. Drain Outlet
 - a. 3/8" OD quick connect (must be air gapped to drain)
4. Sample Flow
 - a. 185 to 225 mL/minute
5. Sample Pressure
 - a. 2 to 100 psi (0.17 to 6.8 bar) to supplied external regulator
6. Sample Temperature
 - a. 5 to 50 °C (41 to 122 °F)

3.2 Installation

A. Contractor will install the analyzer in strict accordance with the manufacturer's instructions and recommendations. Factory authorized personnel must be engaged for on site startup and training. Follow up on site training will be provided within 6 months of startup to answer questions from operations staff related to the instrument. This will be scheduled by the End User Utility.

B. Dimensional Drawing Dimensions



3.3 Manufacturer's Parts

A. Use of manufacturer's service parts and reagents is required. Third-party parts and reagents are not approved for use.

END OF SECTION

Warranty

HF scientific, LLC (the "Company") warrants each municipal market instrument product to be free from defects in material and workmanship under normal usage for a period of two (2) years from date of the Company's invoice from the original sale of the product. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge. Parts which by their nature are normally required to be replaced periodically, consistent with normal maintenance, specifically reagents, desiccant, sensors, electrodes and fuses, are excluded. Also excluded are accessories and supply-type items.

Proof of purchase from the Company (Company invoice or paid order confirmation) and/or first use (commissioning) must be provided when making a product warranty claim.

THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED. THE COMPANY HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. In addition, the Company shall not be responsible for any costs incidental to the Company's warranty response efforts, including, without limitation, costs associated with the removal and replacement of systems, structures or other parts of facilities, de-installation, decontamination and re-installation of products, or transportation of products to and from the Company. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance of the product, alteration of the product or use of any parts or accessories (including but not limited to reagents) not provided by the Company.

Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights. **SO FAR AS IS CONSISTENT WITH APPLICABLE STATE LAW, ANY IMPLIED WARRANTIES THAT MAY NOT BE DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL SHIPMENT.**



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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/21/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Ross & Yerger Insurance, Inc. 100 Vision Drive, Suite 100 Jackson MS 39211	CONTACT NAME: PHONE (A/C, No., Ext): 601-948-2900		FAX (A/C, No): 601-355-3227
	E-MAIL ADDRESS:		
		INSURER(S) AFFORDING COVERAGE	NAIC #
		INSURER A : Union Insurance Co	25844
INSURED C.C. Lynch & Associates, Inc. P.O. Box 836 Pass Christian MS 39571	CCLYNCH-CL		INSURER B : Accident Fund Ins Co of Amer
			INSURER C :
			INSURER D :
			INSURER E :
			INSURER F :

COVERAGES

CERTIFICATE NUMBER: 31985431

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

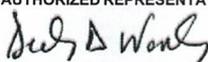
INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> 5,000 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y	Y	CPA434021948	4/28/2024	4/28/2025	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> Drive Other <input type="checkbox"/> Car	Y	Y	CPA434021948	4/28/2024	4/28/2025	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$	Y	Y	CPA434021948	4/28/2024	4/28/2025	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ \$5,000,000 \$
B	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	AFWCP100016881	4/28/2024	4/28/2025	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

General Liability and Auto Liability include Blanket Additional Insured where required by written contract. General Liability Blanket Additional Insured includes Products/Completed Operations, ongoing operations, and is Primary & Noncontributory where required by written contract. General Liability, Auto Liability and Workers Compensation include a Blanket Waiver of Subrogation where required by written contract. Umbrella is follow form. All coverages are subject to policy terms, conditions and exclusions.

Bid # 50-00146464 Department of Environmental Affairs Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council are Additional Insureds in regards to General Liability and Auto Liability where required by written contract. Blanket Additional Insured includes Ongoing and Products/Completed Operations and is Primary & Noncontributory where required by written contract.

CERTIFICATE HOLDER**CANCELLATION**

Jefferson Parish Purchasing Department 200 Derbigny Street Suite 4400 Gretna LA 70053	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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