



## **Preventive Maintenance Service Program**

# Chatham County Water

Pittsboro, NC  
Instrumentation and Calibration Services

**7/7/2022**

**Prepared for Daniel Clevenger**

**Presented by John Tillman**  
**(800) 532-0415**

FCx Services  
Instrumentation Services  
10345B Nations Ford Road  
Charlotte, NC 28273  
Phone: 800-532-0415

Proposal: **2208 Rev 1**

FCx Services, ISI division, is pleased to provide the Chatham County Water with a proposal for instrumentation and calibration services as defined in the scope of work and terms & conditions.

PREVENTIVE MAINTENANCE SERVICE PROGRAM:

1. Annual Service Program (Quarterly Service Visits)

**\$1,250.00/visit**

- 1.1. FCx Services, hereafter referred to as FCX, proposes to furnish instrumentation and process control maintenance services, according to the terms and conditions herein set forth, for instruments and control devices listed on the attached *Instrument List 2208 Rev 1*. This service shall include, at a minimum, the following task:
    - 1.1.1. Routine Preventive Maintenance to maintain operation or as dictated by authorized agency. Service shall be provided as specified on the attached *Instrument List 2208 Rev 1*.
    - 1.1.2. Calibration traceable to the National Institute of Standards and Technology, or other physical reference. Classification of calibration will be as listed in the attached *Instrument List 2208 Rev 1*.
    - 1.1.3. Review performance and functionality of devices with Plant Operations Contact.
    - 1.1.4. Inspect instrumentation and control systems for proper operations and functionality.
    - 1.1.5. A detailed service report and or calibration report will be provided after service has been completed.
    - 1.1.6. Pricing does not include any specialized training or equipment (man-lifts, decontamination, etc.) unless specified.
  - 1.2. Under this agreement FCX will maintain the equipment described in the *Instrument List 2208 Rev 1* operating to customer defined or manufacturer's specifications using trained personnel directly employed by FCX. We shall NOT assume the cost of repairs unless otherwise specified. Service calls will be made as outlined on the *Instrument List 2208 Rev 1*.
  - 1.3. Preventive maintenance service shall consist of cleaning, lubrication, and adjustments to obtain defined specifications, and shall be rendered as specified in the attached *Instrument List 2208 Rev 1*. FCX reserves the right to perform preventive maintenance service at other times than scheduled if such additional service is required to meet our obligations under this agreement.
  - 1.4. Emergency Service is NOT included as part of our maintenance service under this agreement. When requested, normal response time to emergency service will be within 24 hours after notification. If an emergency service call is requested, FCX will charge at standard "demand" rates for labor based on Portal-to-Portal travel.
  - 1.5. Maintenance service under this agreement shall commence within 20 days of acceptance of this agreement and shall continue for a period of one year and from year to year thereafter until terminated. Either party may terminate this agreement by giving written notice at least thirty (30) days prior to the anniversary date of this agreement. As the contract price hereunder, you agree to pay the amount of **\$5,000.00 annually**, which shall be billed after each visit and based on all work being completed in a reasonable time frame; payable thirty (30) days after invoice date.
  - 1.6. It is further agreed that the contract price may be adjusted yearly, based on the cost of performing service. Notice of an adjustment for a succeeding year shall be sent to you forty-five (45) days prior to the date which such adjustment will become effective.
  - 1.7. Requests for FCX to conduct safety tests, to install new attachments on additional controls, or to make replacements with parts or devices of a different design, regardless of reason, are not included under this agreement and will be billed as an extra at standard "demand" rates for labor and cost plus for materials. The standard rates may change as dictated by the cost of business.
  - 1.8. The maintenance, repair or exchange of automatically controlled valves, valve motors, probes and/or measuring electrodes of any kind, magnetic flow meter sensor heads, charts, pen and inking systems are excluded from this agreement.
  - 1.9. The air piping of pneumatic control systems and external control wiring of electrical / power systems are excluded under this agreement.
2. This agreement, when accepted by Chatham County Water below or by issuing a Purchase Order, shall constitute the entire agreement between the two parties, and all prior representations or agreements not incorporated herein are suspended. The agreement Effective Date shall be the date the agreement is signed below by Chatham County Water.

**Terms and Conditions:**

1. This quotation contains confidential information, may not be disclosed to third parties and is subject to our Standard Terms and Conditions of Sale, available at [www.fcperformance.com](http://www.fcperformance.com). Customer's acceptance of shipment or performance and/or payment constitutes acceptance of FCx's Terms and Conditions
2. PRICES AND SHIPMENTS: Terms are NET 30 unless otherwise noted above. Unless otherwise quoted, all pricing and discounts are subject to change without notice. Quotations not accepted by the Buyer within 30 days are subject to review and revision. Shipping is F.O.B. to shipping point. All Prices DO NOT include sales or other taxes; all taxes now or hereafter imposed on sales and/or shipments will be added to the purchase price. Buyer agrees to reimburse FCx Services for any such tax or provide FCx Services with a Tax-Exempt Certificate.
3. ANNUAL RENEWAL: This agreement will automatically renew each year unless either party gives notice 45-days prior to the anniversary date of execution. FCx Services may modify pricing annually or by amendment.
4. DELAY OF DELIVERY: FCx Services is not to be accountable for delays in delivery occasioned by acts of God, failure of suppliers, or any other circumstances beyond FCx Services direct control.
5. Buyer understands that FCx Services has a significant investment in the training and development of its employees and processes, and Buyer agrees not to employ directly or indirectly, except with FCx Services, any employee or former employee of FCx Services for a period of one year after date that service/sale has been completed without written approval from the President of FCx Services.
6. For ISO17025 Accredited Calibrations:
  - 6.1. Unless specified differently in this agreement or reference documents, FCx Services uses a binary decision rule, utilizing simple acceptance / rejection, for the determination of compliance (Pass / Fail). Compliance statements are reported without factoring in the effects of uncertainty and comply with the guidelines of ILAC G 8: 09/2019. The acceptance zone is defined as greater than or equal to the low tolerance, and less than or equal to the high tolerance. Any measurements outside of the acceptance zone are identified as "Fail". Single measurement results in the acceptance zone are identified as "Pass". When all measurements are in the acceptance zone then the unit under test is In-Tolerance.
  - 6.2. Unless specified differently in this agreement or reference documents, FCx Services will utilize standard tolerances for parameters as defined in FCx Services WI-1100 which provides a reasonable test uncertainty ratio (TUR) of 4:1 for measurements except for 2:1 for mass, environmental, manufacture specific simulators and reagents / buffers). Actual measurement uncertainty will be reported based on output unit and actual TUR will be report.

This proposal valid for 30 days. Prices are firm until 8/6/2022

Terms: **Net 30.**

**Chatham County Water Acceptance:**

**FCx Services:**

Customer Signature:	FCx Services:
Printed Name	Printed Name
Date:	Date:
Purchase Order (if applicable, Send hard Copy/PDF)	

**Instrument List: 2208 Rev 1**

ID#	Description	Location	Manufacturer	Model Number	Instrument Type	Cal. Frequency	Classification
877.004	RAW WTR TOTALIZER	OPERATOR'S OFFICE	RED LION	PAXD	FLOW TOTALIZER	QUARTERLY	ISO9001
877.005	FINISHED WTR TOTALIZER	OPERATOR'S OFFICE	PRECISION DIGITAL	PD692	FLOW INDICATOR	QUARTERLY	ISO9001
877.011	SETTLED pH ANALYZER	PIPE GALLERY	ROSEMOUNT	1056	pH INSTRUMENT	QUARTERLY	ISO9001
877.012	COMBINED pH ANALYZER	PIPE GALLERY	ROSEMOUNT	1056	pH INSTRUMENT	QUARTERLY	ISO9001
877.013	FILTER 1 TURBIDITY ANALYZER	PIPE GALLERY	ROSEMOUNT	1056	TURBIDITY	QUARTERLY	ISO9001
877.014	FILTER 2 TURBIDITY ANALYZER	PIPE GALLERY	ROSEMOUNT	1056	TURBIDITY	QUARTERLY	ISO9001
877.015	FILTER 3 TURBIDITY ANALYZER	PIPE GALLERY	ROSEMOUNT	1056	TURBIDITY	QUARTERLY	ISO9001
877.016	FITLER 4 TURBIDITY ANALYZER	PIPE GALLERY	ROSEMOUNT	1056	TURBIDITY	QUARTERLY	ISO9001
877.017	FINISHED TURBIDITY ANALYZER	PIPE GALLERY	ROSEMOUNT	1056	TURBIDITY	QUARTERLY	ISO9001
877.018	SETTLED TURBIDITY ANALYZER	PIPE GALLERY	ROSEMOUNT	1056	TURBIDITY	QUARTERLY	ISO9001
877.019	RAW TURBIDITY ANALYZER	PIPE GALLERY	SWAN	AMI TURBIWELL	TURBIDITY	QUARTERLY	ISO9001
877.021	PRESSURE TRANSMITTER	STORAGE ROOM	ROSEMOUNT		PRESSURE TRANSMITTER	QUARTERLY	ISO9001
877.022	RAW WTR FLOW TRANSMITTER	INFLUENT VAULT	ROSEMOUNT	3051DP	FLOW TRANSMITTER	QUARTERLY	ISO9001
877.023	FINISHED WTR FLOW TRANSMITTER	FINISHED WATER VAULT	ROSEMOUNT	1151DP4S22	FLOW TRANSMITTER	QUARTERLY	ISO9001
877.024	CLEARWELL LEVEL	CLEARWELL	MILLTRONICS	HYDRORANGER	LEVEL TRANSMITTER	QUARTERLY	ISO9001
877.025	GOV. CLUB TANK	GC TANK	TRANSICOIL	150CP210	LEVEL TRANSMITTER	QUARTERLY	ISO9001
877.042	BALLPARK TANK LEVEL	BP TANK	ROSEMOUNT	3051	LEVEL TRANSMITTER	QUARTERLY	ISO9001
877.043	PLANT PRESSURE	ELECTRICAL ROOM	ROSEMOUNT		PRESSURE TRANSMITTER	QUARTERLY	ISO9001
877.044	BRIAR CHAPEL TANK	BRIAR CHAPEL TANK			LEVEL TRANSMITTER	QUARTERLY	ISO9001
877.045	BALL FIELD FLOWMETER	BALL FIELD TANK	SIEMENS	SITRANS	FLOW METER	QUARTERLY	ISO9001
877.046	ALEX COCKMAN LEVEL	ALEX COCKMANTANK			LEVEL TRANSMITTER	QUARTERLY	ISO9001

ID#	Description	Location	Manufacturer	Model Number	Instrument Type	Cal. Frequency	Classification
877.047	3 M TANK	3 M TANK			LEVEL TRANSMITTER	QUARTERLY	ISO9001
877.048	BYNUM WW FLOW REC	BYNUM WW	HONEYWELL	dr4300	FLOW RECORDER	QUARTERLY	ISO9001
877.049	BYNUM WW FLOW METER	BYNUM WW	MILLTRONICS	HYDRORANGER 200	FLOW METER	QUARTERLY	ISO9001
877.050	LAGOON FLOW	LAGOON	ROSEMOUNT	8712	FLOW METER	QUARTERLY	ISO9001
877.053	COMBINED TURBIDITY ANALYZER	PIPE GALLERY	ROSEMOUNT	1056	TURBIDITY	QUARTERLY	ISO9001
	<b>**CONFINED SPACE METER**</b>	HWY 64 VAULT			FLOW METER	QUARTERLY	ISO9001
<b>**ISI will provide tripod, harness and gas monitor. Customer to provide certified attendant</b>							