

SAN ANTONIO WATER SYSTEM PURCHASING DEPARTMENT

Issued By: **D. Anthony Rubin**
BID NO.: 17-17061

Date Issued: **June 22, 2017**

**FORMAL INVITATION FOR BIDS
FOR THE PURCHASE OF TEN (10) AUTOMATIC VALVE SHUTOFF CONTROL PANELS AND
TWENTY (20) CHLORINE CYLINDER SHUTOFF VALVES
ADDENDUM NO. 1**

Sealed bids addressed to the Purchasing Director, San Antonio Water System, 2800 US Hwy 281 North, Administration Bldg., 5th Floor, San Antonio, TX 78212 will be received until **3:00 p.m., July 6, 2017** and then publicly opened and read aloud for furnishing materials or services as described herein below,

The San Antonio Water System Purchasing Department is willing to assist any bidder(s) in the interpretation of bid provisions or explanation of how bid forms are to be completed. Assistance may be received by visiting the Purchasing Office in the SAWS Main Office, 2800 US Hwy 281 North, San Antonio, TX 78212, or by calling (210) 233-3819.

This invitation includes the following:

Invitation for Bids
Terms and Conditions of Invitation for Bids

Specifications and General Requirements
Price Schedule

The undersigned, by his/her signature, represents that he/she is authorized to bind the Bidder to fully comply with the Specifications and General Requirements for the amount(s) shown on the accompanying bid sheet(s). By signing below, Bidder has read the entire document and agreed to the terms therein.

Signer's Name: _____ Firm Name: _____
(Please Print or Type)

Address: _____

Signature of Person Authorized to Sign Bid _____ City, State, Zip Code: _____

Email Address: _____ Telephone No.: _____

Fax No.: _____

Please complete the following:

Prompt Payment Discount: _____% _____days. (If no discount is offered, Net 30 will apply.)

Please check the following blanks which apply to your company:

Ownership of firm (51% or more):

Non-minority Hispanic African-American Other Minority (specify) _____

Female Owned Handicapped Owned Small Business (less than \$1 million annual receipts or 100 employees)

Indicate Status: Partnership Corporation Sole Proprietorship Other (specify) _____

Tax Identification Number: _____

To report suspected ethics violations impacting the San Antonio Water System, please call 1-800-687-1918.

This **Addendum no. 1** is being issued to revise the specification and Price Schedule.

IT IS NECESSARY TO RETURN THIS ADDENDUM WITH THE ORIGINAL BID DOCUMENTS.

SPECIFICATIONS:

Automatic Valve Shutoff Control Panels (Qty – 10)

Product Description:

The system shall be supplied with normal utility power but shall have the capability to be powered by a battery fail safe device.

- The control panel will meet the Uniform and International Fire Codes for storage and use of toxic gases such as chlorine, sulfur dioxide, and hydrogen sulfide.
- The control panel will have the capability to close up to two cylinder valves simultaneously through the control panel.
- If the system is shut down in an emergency situation, it will automatically close and shall not have the capability to be reset from a remote source.
- There should be one automatic valve actuator already installed on each chlorine cylinder (Provided by end user), the proposed control panel shall close the cylinder valves by way of a signal in case of an emergency.
 - In addition to that, will be located on the front panel of the controller and there shall be an emergency stop button.
- The controller will respond to an alarm input such as an accidental release, seismic event, security breach, process shutdown, or other monitored conditions – then begin closing the valves at 40 lb-ft of torque which ultimately equates to less than 5 seconds.

Additional Notes:

The Automatic Valve shutoff control panel will have the capability to close the automatic valve actuators affiliated with controllers that are for 150lb cylinders along with 1 ton cylinders

Remote monitoring Capabilities:

The system will be equipped with IO boards that will allow the end user to monitor through a programmable logic controller, this will provide the end user with a real time status of the system.

Power requirements:

115 volts or 230 volts, 50-60 hertz

Battery Charger:

Control Panel shall contain and be equipped with a battery charger.

Battery Specifications:

Non Spillable Battery

Sealed Lead-Acid Battery

BW 1280

12 volts, 8 Amp hours

Chlorine Cylinder Shutoff Valves: (Qty – 20)

Product Description:

This is an actuator that can remotely open and close the valve on compressed gas cylinders such as chlorine, sulfur dioxide and ammonia 150 pound cylinders or ton containers.

Product Specifications:

Enclosure: NEMA 4X

Indicator: 0.5 inch tall by 1.5 inch long, (3) three digit LED

Leak Detector: 0 to 100 PPM, programmable, Rotation Programmable up to 360 degrees

Materials: Fiberglass, stainless steel, steel, brass, PVC, aluminum, nylon Actuator wt. 11 Pounds

Torque: 40 ft/pounds

Additional Notes:

The actuator is battery-operated with an electric motor that rotates the valve stem towards the closed position for alignment, tests and remote operation. The actuator is designed to mount without interfering with or requiring yokes or additional adaptors for dispensers or discharging hardware. The motor, gears, and controls are assembled as one unit. Engaging the actuator is accomplished by using the alignment procedure incorporated into the integral microprocessor. Monitor and controls are accomplished with the microprocessor and integral LED lights for CLOSED, ALIGN, and OPEN. Setup is accomplished through an integral keypad. Valve position is transmitted to the microprocessor from a direct-coupled potentiometer.

The Cylinder shutoff valve shall also be equipped with the following capabilities:

- Battery operated with automatic charger
- Optional integral leak detection for automatic shutdown
- Remote Close by leak detector
- Remote Close by panic button
- Remote Close by other digital signals such as PLC or computer for in-plant control or communications with SCADA for offsite monitoring and control

Automatic Valve Shutoff Control Panels (Qty – 2)

Product Description:

The system shall be supplied with normal utility power but shall have the capability to be powered by a battery fail safe device.

- The control panel will meet the Uniform and International Fire Codes for storage and use of toxic gases such as chlorine, sulfur dioxide, and hydrogen sulfide.
- The control panel will have the capability to close up to two cylinder valves simultaneously through the control panel.
- If the system is shut down in an emergency situation, it will automatically close and shall not have the capability to be reset from a remote source.
- There should be one automatic valve actuator already installed on each chlorine cylinder (Provided by end user), the proposed control panel shall close the cylinder valves by way of a signal in case of an emergency.
 - In addition to that, will be located on the front panel of the controller and there shall be an emergency stop button.
- The controller will respond to an alarm input such as an accidental release, seismic event, security breach, process shutdown, or other monitored conditions – then begin closing the valves at 40 lb-ft of torque which ultimately equates to less than 5 seconds.

Additional Notes:

The Automatic Valve shutoff control panel will have the capability to close the automatic valve actuators affiliated with controllers that are for 150lb cylinders along with 1 ton cylinders

Remote monitoring Capabilities:

The system will be equipped with IO boards that will allow the end user to monitor through a programmable logic controller, this will provide the end user with a real time status of the system.

Proposed Model: RCP101XLIO**Power requirements:**

115 volts or 230 volts, 50-60 hertz

Battery Charger:

Control Panel shall contain and be equipped with a battery charger.

Battery Specifications:

Non Spillable Battery

Sealed Lead-Acid Battery

BW 1280

12 volts, 8 Amp hours

Chlorine Cylinder Shutoff Valves: (Qty – 10)**Product Description:**

This is an actuator that can remotely open and close the valve on compressed gas cylinders such as chlorine, sulfur dioxide and ammonia for one ton containers.

Product Specifications:

Enclosure: NEMA 4X

Indicator: 0.5 inch tall by 1.5 inch long, (3) three digit LED

Leak Detector: 0 to 100 PPM, programmable, Rotation Programmable up to 360 degrees

Materials: Fiberglass, stainless steel, steel, brass, PVC, aluminum, nylon Actuator wt. 11 Pounds

Torque: 40 ft/pounds

Additional Product Specifications:

Model 2000C is an actuator used for the gas valves and shall be used on one ton cylinders/containers. These units are CL2 integral leak detectors and shall have a 30 foot signal cable along with a quick connector at the end. The unit shall have LED indicators, a storage bracket, and a U-clip retainer. The unit shall contain a vacuum regulator on it as well.

Additional Notes:

The actuator is battery-operated with an electric motor that rotates the valve stem towards the closed position for alignment, tests and remote operation. The actuator is designed to mount without interfering with or requiring yokes or additional adaptors for dispensers or discharging hardware. The motor, gears, and controls

are assembled as one unit. Engaging the actuator is accomplished by using the alignment procedure incorporated into the integral microprocessor. Monitor and controls are accomplished with the microprocessor and integral LED lights for CLOSED, ALIGN, and OPEN. Setup is accomplished through an integral keypad. Valve position is transmitted to the microprocessor from a direct-coupled potentiometer.

The Cylinder shutoff valve shall also be equipped with the following capabilities:

- Battery operated with automatic charger
- Optional integral leak detection for automatic shutdown
- Remote Close by leak detector
- Remote Close by panic button
- Remote Close by other digital signals such as PLC or computer for in-plant control or communications with SCADA for offsite monitoring and control

ESTIMATED DELIVERY

Delivery will be completed within _____ calendar days after receipt of order. (if applicable)

PRICE SCHEDULE

Item	Description	QTY	Unit Price	Unit of Measure	Extended Price
1	Automatic Valve shutoff control panel, Robo-Controls p/n RCP002UPS10 or Approved Equal	10	\$	EACH	\$
2	Chlorine Cylinder Shutoff Valves; Robo-Controls p/n U150-LD-CL or Approved Equal	20	\$	EACH	\$
3	Automatic Valve shutoff control panel Robo-Controls p/n RCP010XLIO or Approved Equal	2	\$	EACH	\$
4	Chlorine Cylinder Shutoff Valves Robo-Controls p/n 2000C-G-IO-CL2 or Approved Equal	10	\$	EACH	\$
TOTAL					\$

BY: _____

TITLE: _____

FOR: _____
(Name of Firm Submitting Bid)

DATE: _____