

**BOROUGH OF SOMERSET  
BID SPECIFICATIONS**

**Liquid Chlorine**

Sealed bids will be received by the Council of the Borough of Somerset until 10:00 a.m. Friday, January 23, 2015, at which time they will be opened and read for the furnishing of Liquid Chlorine (gas) for the calendar year 2015.

The chlorine shall conform to A.W.W.A. specifications for use in Water/Wastewater treatment. Chlorine is used at Borough facilities and shall be delivered to the addresses below. Bidder must be able to deliver chlorine within three (3) working days of order.

**One-Ton Containers**

SOMERSET BOROUGH WASTEWATER TREATMENT PLANT  
1043 South Center Avenue  
Somerset, PA 15501 (Estimated Quantity: 6 one-ton containers)

LAUREL HILL WATER TREATMENT PLANT  
278 Beck Road  
Bakersville, PA (Estimated quantity: 2 one-ton containers)

Total estimated quantity of one-ton containers: 8

**150 lb. Containers**

COXES CREEK WATER PLANT  
Coxes Creek Road  
Somerset, PA 15501 (Estimated quantity: Twenty five (12) 150# containers)

Total estimated quantity of 150# containers: 12

**TRAINING REQUIREMENTS FOR THIS PRODUCT**

The successful bidder for this product shall provide a one-day seminar on chlorine safety handling. Said seminar shall be open to Borough Personnel, Fire Departments, Police Departments, or any other personnel that may benefit from said training. Qualified professionals in the field of chlorine handling shall teach the seminar. The materials presented shall be in English and shall be at a high school level. At a minimum, the bidder must cover the following subjects in the training, with materials provided:

1. Properties of the product;
2. Chemical and common names;
3. Acute and chronic effects of exposure to the product;
4. Symptoms arising from exposure;
5. Potential for flammability, explosiveness, and reactivity;
6. Appropriate emergency treatment for exposure to the product;

7. Appropriate personal protective equipment and proper conditions for the safe use of this product;
8. Emergency procedures for fires, leaks, spills, or other accidents that may occur using this product;
9. Defining the different levels of protection needed for handling the product under normal conditions and emergency conditions;
10. Proper storage conditions for this product;
11. Ways the product may be used to enhance water/wastewater treatment;
12. Proper decontamination procedures to remove product from protective clothing or encapsulating suits;
13. Evacuation distances and resources that may be contacted in the event of an emergency;
14. Different types and sizes of containers the product may be shipped in, as well as the different forms product may be available in, such as liquid, powder, etc.;
15. Various repair kits prepared by the Chlorine Institute. A, B, and C kits shall be covered and a field session shall be conducted at the wastewater treatment plant or other suitable location where emergency responders may practice putting the B kit on a container (Somerset Borough owns the B kit)
16. Add any other information that may be helpful in the safe and efficient use of this product.

Somerset Borough reserves the right to reproduce any of the training materials provided. Said training shall take place before the first shipment of the product.

### **Labeling Requirements**

The successful bidder shall label all containers of the product. The labels shall include the following information at a minimum:

1. Chemical or common name;
2. Name, address, and emergency number of the manufacturer;
3. Hazard warnings.

### **Material Safety Data Sheets**

The successful bidder shall provide six copies of a Material Safety Data Sheet for this product. At a minimum, the data sheets shall contain the following information:

1. Who makes the product, address, emergency phone number, and date the data sheet was prepared;
2. Hazardous ingredients and their TLV's;
3. Physical and chemical characteristics;
4. Physical hazards;
5. Reactivity;
6. Health hazards;
7. Precautions for safe handling and use;
8. Chemical and common name;
9. C.A.S. registry number;
10. UN or NA number;
11. Any other information that may be required to comply with the Pennsylvania Worker and Community Right-to-Know law.

Material Safety Data Sheets must be received by Somerset Borough prior to or with the first product shipment.

### Containers

The chlorine shall be shipped in one-ton containers and shall conform to the following safety rules:

1. Container Evacuation – remaining product shall be removed from the container and the container shall be inspected for deterioration and problems. Any container headed for a Somerset Borough facility shall be inspected prior to filling. If any problems are found the container shall be repaired or replaced prior to shipment to a Somerset Borough facility.
2. Valve removal and replacement – all valves shall be removed and replaced with new or reconditioned valves prior to shipment to a Somerset Borough facility.
3. Fusible plug removal and inspection – plugs shall be removed and checked for deterioration and contamination and replaced if necessary.
4. Tare weight check – the tare weight shall be checked on each container headed for a Somerset Borough facility. Should a problem be discovered, the container shall be replaced.
5. Lead washers – a minimum of two lead washers shall be provided with each container.
6. Twenty-four hour holding – a container must be held at the repackaging facility for a minimum of 24 hours before being shipped to a Somerset Borough facility and the container shall be checked for leaks prior to shipment.
7. Scale checks – scales shall be calibrated on a regular basis to assure hazardous overfills do not occur.
8. Hydrostatic testing – containers shall be hydrostatically tested every four years. Containers with a hydrostatic test dated over four years old will not be accepted by Somerset Borough.
9. All containers shall be adequately secured during shipment.
10. External inspections – containers shall be inspected for dents, corrosion or other damage that may affect the integrity of the container. Containers shall be painted regularly to help prevent corrosion. Somerset Borough will not accept dented, damaged or unidentifiable containers.
11. Add any other recommendation or regulation by the chlorine institute or D.D.T. that will aid in the safe handling of this product.

**General Provisions**

1. The chlorine must be manufactured in the United States.
2. Delivery vehicles shall be appropriate for the product being hauled and shall carry the proper placard as well as proper equipment for loading the product.
3. The drivers shall be trained in chemical safety and in proper loading and unloading procedures for the product.
4. Shipper shall have adequate insurance as required by the Federal Motor Carrier Act. Proof of said insurance must accompany the bid.
5. Driver of the delivery vehicle shall have in his possession a Material Safety Data Sheet for all products in delivery vehicle when in Somerset Borough or enroute to a Somerset Borough facility, and said sheets shall be turned over to police, fire, or EMS personnel upon request in the event of an accident or routine traffic stop.
6. Bidder must be a member of the Chlorine Institute. Proof of membership must be submitted with bid.
7. Bidder must be a participant in the Chlorine Institute's Emergency Plan (CHLOREP) and shall respond to a Somerset Borough facility should an emergency situation develop, with the appropriate tools necessary to deal with a leak; said response shall be no longer than two and one-half hours from the time of notification. Emergency numbers for this procedure shall accompany bid.

All bids shall be submitted on forms furnished by the Borough of Somerset and none other will be accepted. No bidder may withdraw his bid within 60 days after the opening thereof. Bids shall be in sealed envelopes. On the face of the envelope, upper left corner, print or type your name and address. In the center of the envelope, print or type:

**LIQUID CHLORINE BID  
COUNCIL, BOROUGH OF SOMERSET  
P.O. BOX 71  
SOMERSET, PA 15501**

Bids must be received by 10:00 a.m. Friday, January 23, 2015 at which time the bids will be publicly opened and read aloud.

Council reserves the right to reject any and/or all bids and to award the purchase so that the best interests of the Borough are served.

**BIDS CLOSE 10:00 AM FRIDAY, JANUARY 23, 2015**

BOROUGH OF SOMERSET  
BID FORM

Liquid Chlorine

To: LIQUID CHLORINE BID  
COUNCIL, BOROUGH OF SOMERSET  
340 WEST UNION STREET  
P.O. BOX 71  
SOMERSET, PA 15501

For: Chlorine delivered to water or wastewater facilities during the year 2015. (Price shall be firm for one year)

Price per One-Ton Container: \$ \_\_\_\_\_

Container Deposit: \$ \_\_\_\_\_

Price Per 150# Container: \$ \_\_\_\_\_

Container Deposit: \$ \_\_\_\_\_

Name of Bidder: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of authorized representative

Signature indicates that bidder is familiar with all the provisions and terms of the Liquid Chlorine Specifications and will comply with them in full.

BIDS CLOSE 10:00 AM FRIDAY, JANUARY 23, 2015