



**CITY OF DEFIANCE
WATER DIVISION
REQUEST FOR CHEMICAL QUOTES**

FOURTH QUARTER 2010

The City of Defiance Water Division is requesting Quotes for certain chemicals to be purchase during 2010. Please read the following instructions and specification sheets carefully.

The City of Defiance Water Division is requesting quotes for the following chemicals for the **Fourth Quarter of 2010:**

1. Fluorosilicic Acid
2. Liquid Polyphosphate
3. Liquid Sodium Hypochlorite

Vendors interested in providing a quote for any or all of these chemicals should review this enclosed information carefully. This document includes the following items:

1. Instructions for submitting quotes
2. Product Specification Sheets
3. Quote Summary Sheet

The City of Defiance Water Division reserves the right to select vendors for individual chemicals based on the most responsible and responsive quote obtained as part of this document. The City may select one or all of the chemicals listed on a vendors quote. Prices must be firm, including delivery, without increase (i.e. fuel surcharges) for the period of time specified in this document.

Product data sheets and MSDS sheets may be required prior to accepting a quote.

INSTRUCTIONS FOR SUBMITTING QUOTES ON CHEMICALS FOR THE CITY OF DEFIANCE WATER DIVISION

GENERAL INSTRUCTIONS:

1. Each Vendor/Supplier is required to complete and submit this original quote form.
2. Failure to meet all of the required specifications, and/or failure to supply all requested documentation, may result in rejection of any quote.
3. The City reserves the right to accept or reject any and all quotes.
4. Quotes sent by mail should be addressed to: Richard Kipp, Defiance Water Plant, 1356 Baltimore St., Defiance OH 43512-1906. Quotes may also be sent by email to rkipp@cityofdefiance.com. Please ensure that all supporting documentation required below is included with quote.
5. Quotes should be received on or before September 27, 2010. A tabulation of all quotes received will be available at <http://www.cityofdefiance.com/water/currentProjects.shtml> within three business days after this deadline. Do not call for quote results.
6. The supplier shall provide a toll-free or collect call phone number for ordering purposes.
7. By signing the quote the vendor certifies that the supplies listed on their quote conform to the product specifications in full and that any deviations from the said specifications are explained in full as to the nature of the deviation. Further, the supplier understands that any purchase made under this quote must comply with the listed specifications or the listed deviations, or the quote may be considered invalid and City will be free to purchase from another supplier.

SECURITY REQUIREMENTS:

The vendor/supplier will be made aware of, and be required to comply with, any security requirements of the City which are currently in effect or that are introduced at a later date. Some typical security items are as follows:

1. All chemical shipments will require authorization for delivery at least two (2) days prior to the delivery date.
2. The identity of the vendor, driver, and serial numbers of the tanks in the shipment will be identified by the vendor at least two (2) days prior to delivery. The driver will be required to show a picture ID prior to accepting delivery.
3. The driver will be escorted while on-site or the truck/driver will be under video surveillance.
4. The driver will have restricted access to the site and the driver will use only the bathroom and waiting area designated by the City during transfer and paperwork activities.
5. The City reserves the right to be informed of the identity of the vendor's driver before delivery and may perform a background check on that driver.

QUANTITIES:

The City of Defiance Water Division anticipates purchasing the following quantities of these chemicals during the entire 2010 calendar year.

The requested quotes will be for three months and may or may not be for an equal portion of these amounts.

1. 4,500 gallons, more or less, of Fluorosilicic Acid from January 1, 2010 to December 31, 2010.
2. 4,200 gallons, more or less, of Liquid Polyphosphate from January 1, 2010 to December 31, 2010.
3. 29,000 gallons, more or less, of Liquid Sodium Hypochlorite Solution from January 1, 2010 to December 31, 2010.

SPECIFICATIONS FOR FLUROSILICIC ACID

PRODUCT REQUIREMENTS:

1. Shall be delivered F.O.B. in 55-gallon drums having a recessed flat top and a lip or rim located at the top of the drum to be used for supporting the drum in the drum clamp during unloading. Shall be delivered in truck equipped with a power lift gate. The supplier of the drums shall be responsible for any deposits and return of empty drums.
2. Shall be delivered in minimum lots of 6 drums.
3. Shall conform to AWWA standard B703 of latest revision. An affidavit stating that the product complies with this standard, and a certificate of analysis of the product, must be provided upon request.
4. Shall contain **22-25%** Fluorosilicic acid by weight, and shall contain a maximum of one percent free acids (other than Fluorosilicic acid), expressed as HF (hydrofluoric acid).
5. Shall be approximately 10.5 - 10.6 lbs/gal
6. The fluorosilicic acid supplied according to this standard shall be clean and free of visible suspended matter. It shall be white to straw yellow in color.
7. Shall be free and clean of impurities, including mineral or organic substances that may produce injurious affects on the health of those who consume the water being treated with the product. A copy of the laboratory analyses of contaminants found in this product shall be provided upon request.
8. Shall contain no more than 0.02% heavy metals (Pb).
9. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with NSF/ANSI Standard 60, Drinking Water Treatment Chemicals – Health Effects. Verification of compliance shall be provided upon request.
10. In the event that an analysis by a referee or third party laboratory is required to verify product quality, the supplier of the product shall pay all related cost for testing and shipping.
11. A product data sheet and MSDS sheet shall be provided upon request.

REFERENCES MUST BE AVAILABLE ON REQUEST FOR ANY OF THE ABOVE REQUIREMENTS.

SPECIFICATIONS FOR LIQUID POLYPHOSPHATE

PRODUCT REQUIREMENTS:

1. Shall be delivered F.O.B. in 500-800 gallon lots by bulk delivery.
2. Delivery truck shall be capable of connecting to a 2" camlock fitting and capable of offloading to an elevated bulk tank.
3. Shall conform to AWWA standard B502, of latest revision. An affidavit stating that the product complies with this standard, and a certificate of analysis of the product, must be provided upon request.
4. Product must function as a corrosion inhibitor by inhibiting iron, copper and lead by-product formation. Proof of corrosion reduction in like water qualities must be provided upon request.
5. Product must sequester iron and manganese over a broad pH range and maintain stability in domestic water systems.
6. Product must be non-toxic as listed in the water chemical code. Product must not contain bimetallics (zinc) and should have a pH ranging from 4.0 - 6.0, a minimum specific gravity of 1.30 and a turbidity of less than 1.0 NTU.
7. Product shall have a total phosphate (as PO₄) percent by weight of 36%, a total active complex phosphate content of 18% by weight, and a total orthophosphate content of 18% by weight.
8. Product must be able to gradually remove existing tuberculation in the distribution system without causing cosmetic problems to the end user.
9. Product must be a homogeneous liquid and not precipitate out during normal storage and have a shelf life stability with no conversion to ortho of one-year or greater.
10. Product must not increase bacteria counts in the distribution system and must not increase system chlorine demand overall. Documentation must be available upon request on the effects of this product on a long-term basis.
11. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects. Verification of compliance shall be provided upon request.
12. In the event that an analysis by a referee or third party laboratory is required to verify product quality, the supplier of the product shall pay all related cost for testing and shipping.
13. A product data sheet and MSDS sheet shall be provided upon request.

REFERENCES MUST BE AVAILABLE ON REQUEST FOR ANY OF THE ABOVE REQUIREMENTS.

SPECIFICATIONS FOR LIQUID SODIUM HYPOCHLORITE

PRODUCT REQUIREMENTS:

1. Shall be shipped F.O.B. in suitably lined, thoroughly clean tank trucks. Due to in-plant storage restrictions, the per load shipment for this facility is 3800 gallons.
2. Shall conform to AWWA standard B300 latest revision. An affidavit stating that the product complies with this standard, and a certificate of analysis of the product, must be provided upon request.
3. Shall contain not less than 13%, and not greater than 15% available chlorine upon delivery.
4. The total free alkali (expressed as NaOH) shall not exceed 1.5% by weight.
5. Shall contain no more than 0.15% insoluble matter by weight.
6. Shall be free and clean of impurities, including mineral or organic substances that may produce injurious affects on the health of those who consume the water being treated with the product.
7. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects. Verification of compliance shall be provided upon request.
8. In the event that an analysis by a referee or third party laboratory is required to verify product quality, the supplier of the product shall pay all related cost for testing and shipping.
9. A product data sheet and MSDS sheet shall be provided upon request.

REFERENCES MUST BE AVAILABLE ON REQUEST FOR ANY OF THE ABOVE REQUIREMENTS.

