



CITY OF CONROE

Est. 1904

City of Conroe
PO Box 3066
Conroe, Texas 77305

ADDENDUM NO. 1
DATE ISSUED: 2/27/24

PROJECT 030724 Annual Water treatment Chemical Bid

This revision shall be considered part of the contract documents for the above named project, and shall be incorporated integrally with the previously issued documents. Wherein provisions of the revisions differ from the provisions of the original documents and/or the provisions of previously issued addendum, the provisions of this revision shall govern and take precedence.

Did Read:

4.0 Polyphosphate: Liquid Blended Phosphates must be listed as approved in the latest edition of National Safety Foundation (NSF) Standard No. 60, Drinking Water Treatment Chemical-Health Effects under Blended Phosphates.

Liquid Blended Phosphates must be a true blend of Poly (META, PYRO, TRIPOLY) and ortho phosphate.

Supplier must submit a chromatogram detailing the amount of each phosphate species.

Shall have a minimum total phosphate (as PO₄) percent by weight of 36%.

Shall have a minimum total active complex phosphate (META, PYRO, POLY etc.) content of 27% (+1%) by weight.

Shall have a maximum total orthophosphate content of 9% (+1%) by weight.

Shall have a pH range between 5.0 & 8.0 and not have any injurious effect on personnel handling the phosphate. A material safety data sheet must accompany the bid.

Shall have a specific gravity of between 1.3 & 1.4.

Shall have the capability to sequester iron and manganese over a broad temperature and pH range.

Shall be able to prevent deposition as well as remove existing scale deposits without causing any deleterious effects to the water supply system.

Shall provide effective corrosion inhibition without the presence of zinc on both ferrous and non-ferrous surfaces.

Shall be liquid and easily applied via existing metering pumps.

Shall have the capacity of being injected into the water supply system within one foot prior to the Injection of chlorine without any deleterious effect on the sequestering capabilities of the product.

Shall have a shelf life stability with no conversion to ortho of one year or greater.

Shall not be able to support bacterial growth even when transferred from delivery tankers to storage tanks or distribution drums. The product must conform to the "Recommended Standards for Water Works" (Ten State Standards), latest edition. Each bidder must stipulate its process for disinfecting and percentage of products added to the solution if applicable.

Shall not increase bacteria colony in the distribution system.

Product must be able to gradually remove existing deposits without causing any major cosmetic or quality problems with the end user.

Product must not increase bacteria colony counts in the distribution system. Product must also not increase system chlorine demand on maintenance dosage.

Product and supplier must have a successful history of use in municipalities. Three (3) references must accompany the bid for verification of product performance, delivery and technical support.

Product must be certified for use in potable water by the National Sanitation Foundation (NSF), approved for use in potable water supplies by the U. S. Environmental Protection Agency, and comply with the USDA Guide Requirements for use in public water supply. Appropriate certification letters must accompany the bid.



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The City of Conroe at its sole discretion will determine if the product bid meets these specifications and is in fact the Best Value for the City of Conroe.

Should Read:

4.0 Polyphosphate: Liquid Blended Phosphates must be listed as approved in the latest edition of National Safety Foundation (NSF) Standard No. 60, Drinking Water Treatment Chemical-Health Effects under Blended Phosphates.

Phosphate blend shall be made up of the following chemicals and specific quantities.

Chemical name	CAS No	Weight-%
Monopotassium phosphate	7778-77-0	10-15
Phosphoric acid	7664-38-2	<1
Potassium pyrophosphate	7320-34-5	25-30
Water	7732-18-5	Balance

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Shall be able to prevent deposition as well as remove existing scale deposits without causing any deleterious effects to the water supply system.

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Shall be liquid and easily applied via existing metering pumps.

Shall have the capacity of being injected into the water supply system within one foot prior to the Injection of chlorine without any deleterious effect on the sequestering capabilities of the product.

Shall have a shelf life stability with no conversion to ortho of one year or greater.

Shall not be able to support bacterial growth even when transferred from delivery tankers to storage tanks or distribution drums. The product must conform to the "Recommended Standards for Water Works" (Ten State Standards), latest edition. Each bidder must stipulate its process for disinfecting and percentage of products added to the solution if applicable.

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By the signature affixed below, Addendum No. 1 is hereby incorporated into and made a part of the above referenced solicitation.

ACKNOWLEDGED:

Authorized Signature

Printed Name

Respondent/Contractor

Date

Kristina Colville

Kristina Colville, Purchasing manager