

SAN ANTONIO WATER SYSTEM PURCHASING DEPARTMENT

Issued By: **D. Anthony Rubin**
BID NO.: 13-1469

Date Issued: **May 1, 2013**

**FORMAL INVITATION FOR BIDS
FOR THE RENTAL OF A GRANULAR ACTIVATED CARBON (GAC) SYSTEM FOR THE
REMOVAL OF DISINFECTION BYPRODUCTS (DBP) PRECURSOR MATERIAL
ADDENDUM 1**

Sealed bids addressed to the Purchasing Director, San Antonio Water System, 2800 US Hwy 281 North, Administration Bldg., 5th Floor, P.O. Box 2449, San Antonio, TX 78298-2449 will be received until **3:00 p.m., May 21, 2013** and then publicly opened and read aloud for furnishing materials or services as described received 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: _____

Rental of a Granular Activated Carbon (GAC) System - QUESTIONS

Question 1. Do you require Lead / Lag operations or 2 units in series for all treatment?

Answer 1: We require the proper configuration of vessels (or a single vessel) to treat at least 4 MGD, with an EBCT of at least 10 min. We want the flexibility to use the vessels in either series or parallel operation should the influent conditions change.

Question 2. Or if 1 bed provides 10 EBCT, that will suffice?

Answer 2: See answer to question 1.

Question 3. If yes, is vendor to supply the manifold piping for lead, lag, backwash operations? See attached.

Answer 3: Yes, vendor shall supply “on skid” piping for lead/lag, and backwash operations as shown on the attachment. SAWS will provide connecting header, per schematic provided.

Question 4. Pressure rating requirement? 75 psi? Pipe size?

Answer 4: All equipment shall be rated for at least 75 psi and ASME certified. We are anticipating 8-inch connection points on the vessels.

Question 5. Delivery set at July 1. Would SAWS consider giving 4 week extension if equipment to be delivered was new / specifically fabricated for SAWS?

Answer 5: No.

Question 6. If bid reward is delayed will the delivery date be postponed equal time?

Answer 6: Yes.

Question 7. Supplier only has to provide technical assistance with installation. Supplier does not have to do any setting in place or pipe fitting. Correct?

Answer 7: Correct.

Question 8. The 4MGD system come with (2) 20,000lb slurry vessels . Please confirm this.

Answer 8: The system must come with the required number and size of vessels to treat at least 4 MGD of influent with an EBCT of at least 10 minutes.

Question 9. Do we have to set up the system by first week of July?

Answer 9: Delivery is required by July 1. However, installation will be scheduled to happen immediately thereafter, and technical assistance must be available.

Question 10. Do you requesting technical support for installation and O&M just for systems start up ?

Answer 10: Assistance during installation & start-up and training on operating and maintaining the system.

Question 11. Can you provide water chemistry data? Specifically on the TOC concentration.

Answer 11: 2010 Average TOC: 1.45 mg/L
2011 Average TOC: 1.47 mg/L
2012 Average TOC: 1.45 mg/L

Question 12. What is the average molecular weight of the TOC or MW range?

Answer 12: We do not have this information at this time.

Question 13. Are demobilization fees included in item 1 on the price schedule?

Answer 13: Please see Clarification of Price Schedule below.

Question 14. Scope item 4 on page 10 of 27 describes the units as "modular". Please clarify modular - i.e. each "system" should come in less than 4 pieces (2 tanks, interconnecting piping manifold and unifying skid).

Answer 14: Modular is intended to describe units that are mobile, and that the system can be expanded or reduced by adding or removing units as may be required. Also, each unit shall consist of pre-assembled tank(s), interconnecting piping and unifying skid.

Question 15. Please add more details to the GAC specification.

Answer 15: The level of specification for the media is intended to allow options within the parameters given.

Question 16. Just to clarify - this bid is for equipment and carbon supply delivered to the site. SAWS will provide the installation/general contractor. Equipment/carbon supplier will provide field service supervision only.

Answer 16: See 'SPECIAL REQUIREMENTS' section, items 1 and 2.

Question 17. Can Invoicing for partial system installation reflect actual percentage of treatment capacity delivered?

Answer 17: Yes, invoicing for percentage of capacity provided by deadline(s) will be acceptable.

Question 18. 18.D mentions a performance deposit. What dollar amount is required?

Answer 18: A performance deposit was not required on this Invitation for Bid.

All terms and conditions of the original bid document remain unchanged.

It is necessary that Addendum 1 be returned with your bid submission.

ESTIMATED DELIVERY

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

CLARIFICATION OF PRICING SCHEDULE

Item No.	Description	Unit of Measure	Quantity	Unit Price	Total Price
1.0	Minimum 4.0 MGD GAC Filtration System delivered and demobilized after period of service, including GAC media	EA	1	\$	\$
2.0	Technical Support for installation, startup and O&M training	LS	1	\$	\$
3.0	4.0 MGD Monthly system rental fee	MO	12	\$	\$
4.0	Media replacement per vessel including disposal of spent media, estimated quantity	LB	120,000	\$	\$
5.0	*Media regeneration per vessel, estimated quantity	LB	120,000	\$	\$
TOTAL CONTRACT AMOUNT				\$	

*Regeneration is listed in the price schedule as an alternative to media replacement, SAWS has the option to use regeneration services if the price is more beneficial.

Supplemental Information

The following information was extracted from the report entitled SAWS West DBP Control Technical Memorandum, prepared April 2013, by HDR Engineering.

Sample	TTHM	Chloroform	Bromodichloro methane	Dibromochloro methane	Bromoform
10hr	100.0%	20.9%	24.7%	38.9%	15.5%
34hr	100.0%	19.4%	27.6%	39.2%	13.8%
178hr	100.0%	23.8%	29.9%	35.6%	10.8%
346hr	100.0%	28.8%	30.0%	31.7%	9.5%