



MANATEE COUNTY FLORIDA

September 12, 2013

TO: All Interested Bidders
SUBJECT: Invitation for Bids #13-1674CD
Digester Modifications at the Southwest Water Reclamation Facility

ADDENDUM #1

Bidders are hereby notified that this Addendum shall be acknowledged on page 00300-1 of the Bid Form and made a part of the above named bidding and contract documents. Bids submitted without acknowledgment of the Addendum will be considered incomplete.

The following items are issued to add to, modify, and clarify the bid and contract documents. These items shall have the same force and effect as the original bidding and contract documents, and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

1. **CHANGE** Article A.06, Deadline for Clarification, on page 00010-2 of the bid documents to read as follows:

September 20, 2013 at 3:00 PM shall be the deadline to submit all inquiries, suggestions, or requests concerning interpretation, clarification or additional information pertaining to the Invitation for Bids to the Manatee County Purchasing Division.

This deadline has been established to maintain fair treatment for all potential Bidders, while maintaining the expedited nature of the Economic Stimulus that the contracting of this Work may achieve.

2. **CHANGE** the first two paragraphs of Article B.01, Basis of Award, on page 00020-1 of the bid documents to read as follows:

Award shall be to the lowest, responsive, responsible Bidder meeting specifications and having the lowest Total Bid Price for **Bid "A"**, or the lowest Total Bid Price for **Bid "B"**, for the requirements listed on the Bid Form for the Work as set forth in this Invitation for Bid. Bid prices shall include costs for furnishing all labor, equipment and/or materials for the completion of the Work in accordance with and in the manner set forth and described in the Contract documents to the County's satisfaction within the prescribed time.

Two schedules for Completion of Work shall be considered. Each Bid for completion by the specified stated time shall be offered as a separate "Total Bid Price". The County has the sole authority to select the Bid based on the completion time which is in the best interest of the County. Only one Award shall be made.

Financial Management Department –Purchasing Division
1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205
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3. **ADD** the following to Article B.05, Inspection of Site, on page 00020-2 of the bid documents:

To arrange for site visits and sampling, the bidders may contact Anthony Benitez at 941-708-7450 ext 7333 between the hours of 8:00 AM and 4:00 PM (Monday thru Friday).

4. **CHANGE** Article C.03, Completion of Work, on page 00030-1 of the bid documents to read as follows:

The Work will be completed and ready for final inspection within the specified calendar days from the date the Contract time commences to run. Two Bids shall be considered, **Bid "A"** based on **190 calendar days** and **Bid "B"** based on **250 calendar days**. The County has the sole authority to select the Bid based on the completion time which is in the best interest of the County. Only one Award shall be made.

5. **DELETE** Bid Form page 00300-2, and **INSERT** the REVISED bid Form pages 00300-2 thru 00300-3 that are attached to this Addendum #1.

6. **ADD** the following to Section 01-11-00 Summary of Work Article 1.01.A of the Technical Specifications:

g. Remove and dewater residual solids in Digesters No.2 and No.4. Haul and dispose of the dewatered solids at County's landfill.

7. **ADD** the following paragraphs to Section 01-15-00 Measurement and Payment of the Technical Specifications:

BID ITEM NO.8 – REMOVE AND DEWATER RESIDUAL SOLIDS IN DIGESTERS NO.2 AND NO. 4

Payment for all work included under this Bid Item shall be made at the Contract lump sum price bid listed in the Bid Form and shall represent full compensation for all labor, materials and equipment required to remove and dewater all residual solids in digesters No. 2 and No.4 as shown on the Contract Drawings and specified herein. Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor in accordance with the Contract Documents.

BID ITEM NO.9 – HAUL AND DISPOSE DEWATERED RESIDUAL SOLIDS IN DIGESTERS NO.2 AND NO. 4 TO COUNTY'S LANDFILL

Payment for all work included under this Bid Item shall be made at the Contract unit price bid listed in the Bid Form and shall represent full compensation for all labor, materials and equipment required to haul and dispose all dewatered residual solids in digesters No. 2 and No.4 to County's Landfill as shown on the Contract Drawings and specified herein. Measurement for periodic payments of this unit price bid item will be in accordance with weight tickets issued by the County's landfill. Tipping fee at the landfill will be the responsibility of the County.

8. **ADD** the following to Section 02-41-00 Demolition Article 1.03 of the Technical Specifications:

B. Action Submittals.

1. Contractor shall provide a list of all sludge hauling trucks, dewatering equipment and trailers with manufacturer, year, model, type, capacity, tag numbers, trailer empty weight (an official weights and measures document verifying the capacity of the vehicles) to be used for this contract. If the trailer is constructed such that the capacity cannot be exactly determined using length, width and depth measurements, Contractor shall supply a simple drawing of each such trailer giving all pertinent measurements and calculated capacity in cubic feet. The lists and drawings in this section shall be provided for approval by the County before such Work is started.
2. Contractor shall submit a traffic route to and from the Project site to the disposal site for approval by the County before such Work is started.

9. **CHANGE** Article 3.02 on page 02-41-00-5 in Section 02-41-00 Demolition of the Technical Specifications to read as follows:

3.02 REMOVAL, DEWATERING AND DISPOSAL OF TANK CONTENTS

- A. Remove residual solids consisting of primary and secondary sludge and grit from digesters No. 2 and No. 4, including residual solids in the attic space. Digesters No. 1 and No. 3 were recently drained and solids dewatered under another contract. The contents in these digesters indicated that an upper layer of liquid and rags and a lower layer of solids (primary and secondary sludge), rags and grit exist. It is expected that the content of digesters No. 2 and No. 4 will be similar except digester 4 can be expected to contain more solids. Digester side wall levels are currently approximately 14 feet for digester No. 2 and 20 feet for digester No. 4. The Contractor shall refer to the Drawings for digester dimensions to calculate the digester volumes. Dewater residual solids to meet the paint filter liquid test (reference EPA Method 9095B) requirements of Manatee County's Landfill. Contractor shall provide a written plan describing means and methods before removing any of the tanks' contents.
1. Lump Sum price for removing and dewatering the residual solids shall be provided in the bid form as described in Section 00-15-00, Measurement and Payment.
 2. Inspect tanks for presence of residual solids prior to start of Work.
 3. Analyze vapors within tank for explosive potential with combustible gas indicator. Purge and vent tank and piping in accordance with API RP 1604 if combustible gas concentration is equal to or greater than 10 percent of lower explosive limit.
 4. Digesters No. 2 and No.4 have attic spaces that are insulated. Asbestos was not identified in the insulation material of digester No. 1 and No.3. Contractor shall be responsible for testing for the existence of asbestos containing material.
 5. Remove residual solids from digesters and their attic space. Drain and purge appurtenant piping into tank as material is removed from tank. Drain clear supernatant from tanks to the plant drain system. Contain and store residual solids, liquid, and sludge in approved containers until dewatering and testing is completed, applicable manifests are provided, and transportation and disposal have been arranged.

6. Dewater the solids to meet the paint filter liquid test requirements of Manatee County's Landfill. If the dewatered solids fail to pass the test the Contractor shall take any means required to further dewater the solids to pass the test, subject to Engineer's approval, and at no additional cost to the County.
 7. Filtrate from dewatering equipment shall be discharged to the plant drain system. Power and water will be provided by the County.
 8. Do not drain any liquids to the plant drain system without the approval of the County.
 9. Digesters are available for sludge sampling prior to bid opening subject to County approval.
 10. Schedules for completion of work shall be as follows:
 - a. Contractor shall start draining digesters No. 2 and No. 4 after issue of Notice to Proceed. Another Contractor (Demolition Contractor) will be on site draining and demolishing digesters No. 1 and No. 3. Cooperation of both Contractors shall be required to accomplish the work.
 - b. Contractor cannot be fully mobilized and performing work, except for digester drainage and dewatering until the Demolition Contractor has finished his work. It is anticipated that the Demolition Contractor will be off site the first week in December 2013.
 - c. Provide a cost for completing all work with system ready for start up 190 days after issue of Notice to Proceed.
 - d. Provide an alternate cost for completing all work with system ready for start up 250 days after issue of Notice to Proceed.
- B. Dispose the dewatered solids to Manatee County's Landfill (hours of operation: Monday - Saturday 8:00 a.m. - 5:00 p.m. Phone: 941-748-5543). The County will pay the tipping fees. Unit price for hauling the dewatered solids shall be provided in the bid form as described in Section 00 15 00, Measurement and Payment. No dewatered material that did not pass the paint filter test shall be delivered to the landfill.
- C. All equipment used for this contract shall be in good working order and free of any fluid leaks. The Contractor shall own or be sole lessee of the equipment utilized in the performance of this contract. Contractor is required to provide tractor-trailer trucks with a minimum capacity of 20 cubic yards. A fill line shall be clearly marked and maintained on the inside of each trailer. The Contractor shall provide some means of identifying each trailer (e.g. by numbering) and shall supply length, width, and fill depth measurements in feet and inches for the internal cavity of each trailer.
- D. Contractor shall be responsible for the cleanup and removal of any spilled material during the removal and disposal operation. Any spillage, accidental or otherwise, which occurs at/or off the facility site, shall be the responsibility of the Contractor to completely remove and sanitize and report to the proper agencies and the County in a timely manner, at no additional cost to the County.

10. **ADD** the Paint Filter Liquids Test Method 9095B dated November 2004 that is attached to this Addendum #1 to the Bid Documents.

11. **CHANGE** the Due Date and Time to **Tuesday, October 1, 2013 at 3:00 PM.**

END OF ADDENDUM #1

Bids will be received at Manatee County Purchasing, 1112 Manatee Avenue West, Bradenton, Florida 34205 until **Tuesday, October 1, 2013 at 3:00 PM.**

Sincerely,



Melissa M. Wendel, CPPO
Purchasing Official

for

BID FORM

(Submit in Triplicate) Section 00300
SWWRF DIGESTER MODIFICATIONS

Bid "A" Based on Completion Time of 190 Calendar Days

ITEM NO.	DESCRIPTION	EST. QTY.	U/M	UNIT PRICE	EXTENDED PRICE
1	MOBILIZATION	1	LS	\$	\$
2	DEMOLITION AND CLEANING OF DIGESTERS #2 AND #4	2	LS	\$	\$
3	INSTALLATION OF COUNTY FURNISHED JET AERATION EQUIPMENT, INCLUDING FURNISHING AND INSTALLING PIPES, VALVES, PIPE SUPPORTS, CONCRETE WORK, AND HANDRAILS	4	LS	\$	\$
4	FURNISH AND INSTALL ELECTRICAL SYSTEM FOR COMPLETE OPERATING JET AERATION SYSTEMS	1	LS	\$	\$
5	FURNISH AND INSTALL INSTRUMENTATION AND CONTROL SYSTEM FOR COMPLETE OPERATING JET AERATION SYSTEMS	1	LS	\$	\$
6	FURNISH AND INSTALL HVAC SYSTEM FOR EXISTING GENERATOR BUILDING	1	LS	\$	\$
7	DEMOBILIZATION AND SITE CLEANUP	1	LS	\$	\$
8	REMOVE AND DEWATER RESIDUAL SOLIDS IN DIGESTERS #2 AND #4	2	LS	\$	\$
9	HAULING AND DISPOSAL OF DEWATERED SOLIDS IN DIGESTERS #2 AND #4 TO COUNTY LANDFILL	1,500	TON	\$	\$
	DISCRETIONARY WORK (USED ONLY WITH COUNTY APPROVAL)				\$85,000.00
	TOTAL PRICE FOR BID "A" - Based on Completion Time of <u>190</u> Calendar Days				\$

Bidder Name: _____

Authorized Signature: _____

BID FORM

(Submit in Triplicate) Section 00300
SWWRF DIGESTER MODIFICATIONS

Bid "B" Based on Completion Time of 250 Calendar Days

ITEM NO.	DESCRIPTION	EST. QTY.	U/M	UNIT PRICE	EXTENDED PRICE
1	MOBILIZATION	1	LS	\$	\$
2	DEMOLITION AND CLEANING OF DIGESTERS #2 AND #4	2	LS	\$	\$
3	INSTALLATION OF COUNTY FURNISHED JET AERATION EQUIPMENT, INCLUDING FURNISHING AND INSTALLING PIPES, VALVES, PIPE SUPPORTS, CONCRETE WORK, AND HANDRAILS	4	LS	\$	\$
4	FURNISH AND INSTALL ELECTRICAL SYSTEM FOR COMPLETE OPERATING JET AERATION SYSTEMS	1	LS	\$	\$
5	FURNISH AND INSTALL INSTRUMENTATION AND CONTROL SYSTEM FOR COMPLETE OPERATING JET AERATION SYSTEMS	1	LS	\$	\$
6	FURNISH AND INSTALL HVAC SYSTEM FOR EXISTING GENERATOR BUILDING	1	LS	\$	\$
7	DEMOBILIZATION AND SITE CLEANUP	1	LS	\$	\$
8	REMOVE AND DEWATER RESIDUAL SOLIDS IN DIGESTERS #2 AND #4	2	LS	\$	\$
9	HAULING AND DISPOSAL OF DEWATERED SOLIDS IN DIGESTERS #2 AND #4 TO COUNTY LANDFILL	1,500	TON	\$	\$
	DISCRETIONARY WORK (USED ONLY WITH COUNTY APPROVAL)				\$85,000.00
	TOTAL PRICE FOR BID "B" - Based on Completion Time of <u>250</u> Calendar Days				\$

Bidder Name: _____

Authorized Signature: _____

METHOD 9095B

PAINT FILTER LIQUIDS TEST

1.0 SCOPE AND APPLICATION

1.1 This method is used to determine the presence of free liquids in a representative sample of waste.

1.2 The method is used to determine compliance with 40 CFR 264.314 and 265.314.

2.0 SUMMARY OF METHOD

2.1 A predetermined amount of material is placed in a paint filter. If any portion of the material passes through and drops from the filter within the 5-min test period, the material is deemed to contain free liquids.

3.0 INTERFERENCES

3.1 Filter media were observed to separate from the filter cone on exposure to alkaline materials. This development causes no problem if the sample is not disturbed.

3.2 Temperature can affect the test results if the test is performed below the freezing point of any liquid in the sample. Tests must be performed above the freezing point and can, but are not required to, exceed room temperature of 25 °C.

4.0 APPARATUS AND MATERIALS

4.1 Conical paint filter -- Mesh number 60 +/- 5% (fine meshed size). Available at local paint stores such as Sherwin-Williams and Glidden.

4.2 Glass funnel -- If the paint filter, with the waste, cannot sustain its weight on the ring stand, then a fluted glass funnel or glass funnel with a mouth large enough to allow at least 1 in. of the filter mesh to protrude should be used to support the filter. The funnel should be fluted or have a large open mouth in order to support the paint filter yet not interfere with the movement, to the graduated cylinder, of the liquid that passes through the filter mesh.

4.3 Ring stand and ring, or tripod.

4.4 Graduated cylinder or beaker -- 100-mL.

5.0 REAGENTS

5.1 None.

6.0 SAMPLE COLLECTION, PRESERVATION, AND HANDLING

A 100-mL or 100-g representative sample is required for the test. If it is not possible to obtain a sample of 100 mL or 100 g that is sufficiently representative of the waste, the analyst may use larger size samples in multiples of 100 mL or 100 g, i.e., 200, 300, 400 mL or g. However, when larger samples are used, analysts shall divide the sample into 100-mL or 100-g portions and test each portion separately. If any portion contains free liquids, the entire sample is considered to have free liquids. If the sample is measured volumetrically, then it should lack major air spaces or voids.

7.0 PROCEDURE

7.1 Assemble test apparatus as shown in Figure 1.

7.2 Place sample in the filter. A funnel may be used to provide support for the paint filter. If the sample is of such light bulk density that it overflows the filter, then the sides of the filter can be extended upward by taping filter paper to the inside of the filter and above the mesh. Settling the sample into the paint filter may be facilitated by lightly tapping the side of the filter as it is being filled.

7.3 In order to assure uniformity and standardization of the test, material such as sorbent pads or pillows which do not conform to the shape of the paint filter should be cut into small pieces and poured into the filter. Sample size reduction may be accomplished by cutting the sorbent material with scissors, shears, a knife, or other such device so as to preserve as much of the original integrity of the sorbent fabric as possible. Sorbents enclosed in a fabric should be mixed with the resultant fabric pieces. The particles to be tested should be reduced smaller than 1 cm (i.e., should be capable of passing through a 9.5 mm (0.375 inch) standard sieve). Grinding sorbent materials should be avoided as this may destroy the integrity of the sorbent and produce many "fine particles" which would normally not be present.

7.4 For brittle materials larger than 1 cm that do not conform to the filter, light crushing to reduce oversize particles is acceptable if it is not practical to cut the material. Materials such as clay, silica gel, and some polymers may fall into this category.

7.5 Allow sample to drain for 5 min into the graduated cylinder.

7.6 If any portion of the test material collects in the graduated cylinder in the 5-min period, then the material is deemed to contain free liquids for purposes of 40 CFR 264.314 and 265.314.

8.0 QUALITY CONTROL

8.1 Duplicate samples should be analyzed on a routine basis.

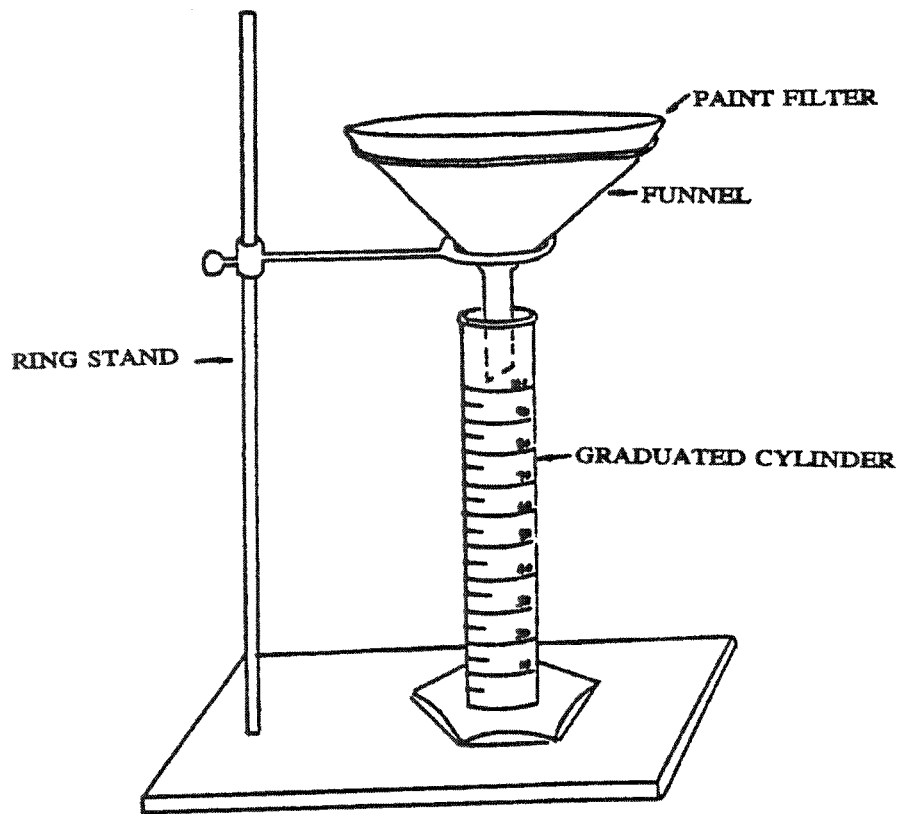
9.0 METHOD PERFORMANCE

9.1 No data provided.

10.0 REFERENCES

10.1 None provided.

FIGURE 1
PAINT FILTER TEST APPARATUS



METHOD 9095B
PAINT FILTER LIQUIDS TEST

