

**ADDENDUM NO. 3**

**TO THE PROSPECTIVE BIDDERS UNDER CONTRACT NO. 8228  
DIGESTERS 6 AND 7 CLEANING PROJECT  
SACRAMENTO REGIONAL COUNTY SANITATION DISTRICT  
SACRAMENTO COUNTY, CALIFORNIA**

Receipt of this addendum must be acknowledged in the space provided at the end of this addendum.

ADDENDUM ITEM	SECTION AND PAGE	LOCATION AND DESCRIPTION OF CHANGE
3.01	Replace Page 2 with attached version.	<ul style="list-style-type: none"><li>• Engineer's estimate has been modified to account for the revised bid quantities on the cost response.</li><li>• License requirement deletion.</li></ul>
3.02	Replace Page 4 with attached version.	<ul style="list-style-type: none"><li>• Background information incorrectly stated the digester number.</li></ul>
3.03	Replace Page 6 with attached version.	<ul style="list-style-type: none"><li>• Contract working days has been modified to match references at other sections.</li></ul>
3.04	Replace Page 47 with attached version.	<ul style="list-style-type: none"><li>• Quantities have been modified to account for the possibility that operationally the tanks cannot be drained to elevation 105ft as planned on the original estimate.</li></ul>

## CLARIFICATIONS/ RESPONSE TO QUESTIONS

- 3.05 *Can the Digester roof top hatches be used to lower or retrieve equipment into the tank via crane only? Is there a weight limit for any equipment put on the digester roof?*

No equipment loads will be permitted on the digester roofs. Hatches may be used to lower or retrieve equipment via crane only without resting the load on the roof.

- 3.06 *Can the Regional San waive the Contractor License requirement for the Digester 6 and 7 Cleaning Project?*

See RFB changes on Page 2 regarding Contractor License requirement.

- 3.07 *Per Section Item 7, under the Scope of Work section, “the contractor must have a designated rescue team readily available.” Please clarify the intent of Item 7.*

The rescue team is referenced in CCR Title 8 section 5157 which **requires rescue personnel** whenever **permit required confined space entries are accomplished**. The term rescue service means “personnel designated to rescue employees” from permitted spaces. The employer shall ensure at least one standby person at the entry site is trained and immediately available to perform rescue and emergency services. Title 8 lists training requirements rescue services personnel must have. The contractor is responsible for ensuring this person(s) is/are trained, on site and available in the event of rescue from permit required confined space is necessary. ***The District does not provide rescue service for contractors. Also, calling 911 is not an acceptable alternative according to Cal OSHA.***

The rescue service can be one person or as many as the contractor deems necessary. They can do other tasks, provided they are standing by whenever permit required confined space entries are occurring.

- 3.08 *Who was the contractor that cleaned the Digester 11 in 2016?*

RFB incorrectly mentioned Digester No. 10 on the background information and it has been corrected on this addendum. Digester No. 11 was cleaned by Polston Applied Technologies – CA.

3.09 *Will you provide the bid results for the Digester 10 & 11 Rehabilitation Project?*

Digester 10 & 11 Rehabilitation Project did not include cleaning of the digesters.

3.10 *Can you provide the bid tabulation from the previous digester cleaning bid?*

See attached List of Bids Received – Digester No. 11 Cleaning.

3.11 *Addendum 1 states that the solids removed from the previous contract cannot be confirmed due to equipment failure. What was paid for this line item?*

Equipment failure did not allow them to meet the required dewatering thus tonnage was significantly higher than stated on the contract. Contractor was paid the amount stated on the contract only. The extra disposal fees, trucking, and special landfill handling was paid by the contractor.

3.12 *What is the gray equipment in Figure 11 in the bid documents?*

Figure 12 shows the opposite side of the step screen to remove material or “trash” from sludge. Figure 11 shows screw conveyor to push the material into the bin.

3.13 *What are the approved hours of operation and days of operation for the project at the WWTP?*

Normal hours of operation are 7:00 am to 3:30 pm, Monday through Friday. Extended hours and weekend days may be accommodated at the District’s discretion and staff availability.

3.14 *Are there any photos for what to expect when hatches get opened?*

See attached photographs.

3.15 *Can we obtain a sample of the sludge?*

Yes. Previous contractor took samples once the digester was “bottle up”.

3.16 *What was the polymer dosage rate used previously?*

Polymer dosage was the contractor's responsibility.

3.17 *If Kiefer Landfill will not accept the materials based on the analytic reports will this be considered a change of condition?*


The District will perform lab tests once the digesters are "bottle up". The District will be considered a change of condition should test results indicate material to be hazardous. FYI - Kiefer is not the only landfill in the area.

3.18 *Is there any scaffold need for this project?*

The Contractor is responsible to develop and safely implement means and methods to access the digester floor and complete the project. No anchoring is permitted on the digesters' floor and walls.

This addendum No. 3 shall be incorporated into and made part of the above referenced contract documents for Contract No. 8228.

DATE: 12/15/16

BY   
SALVADOR MARTINEZ  
DESIGN ENGINEER

**\*\*END OF SECTION\*\***

## NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN THAT the Sacramento Regional County Sanitation District (Regional San) invites sealed bids to provide all labor and equipment necessary for RFB #8228 - Digesters No. 6 & 7 Cleaning, located at 8521 Laguna Station Road, Elk Grove, CA 95758.

**ENGINEER'S ESTIMATE: \$ 850,000**

Bids will be received at the Regional San's Office, 8521 Laguna Station Rd, Elk Grove, CA 95758 **until 3:00p.m., December 14, 2016** to be publicly opened and declared aloud by Regional San representatives.

- 1) Any bidder who wishes its bid to be considered is responsible for making certain that its bid is actually delivered to the Regional San Office. Bids shall be addressed to the Sacramento Regional County Sanitation District, 8521 Laguna Station Rd, Elk Grove, CA 95758, Attn: RFB #8228
- 2) Bidder envelope must clearly list contractor name and return address. Envelopes that do not list contractor name and address will not be opened.

~~Bidder shall be properly licensed (Class A or B General) in accordance with the Contractors' Licenses Law; Business and Professional Code of the State of California. A contractor's license is not required because the type of work being performed is considered provision of a service rather than installation, repair or replacement of equipment per the Contractors State License Board.~~

### Department of Industrial Relations (DIR) Compliance

- A. No contractor or subcontractor may be listed on a bid for a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5
- B. No contractor or subcontractor may be awarded a contract for public work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.
- C. This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

A **Mandatory pre-bid meeting** will be held on **November 29, 2016 at 10:00AM** at the Sacramento Regional Wastewater Treatment Plant (8521 Laguna Station Rd, Elk Grove, CA 95758). The purpose of the meeting is to review and clarify project requirements, respond to questions from the bidders and allow prospective bidders the opportunity to observe the condition and location of the digesters, which may affect performance and pricing. It is the responsibility of prospective bidders to familiarize themselves with all requirements of the solicitation and identify any issues at this meeting.

Pre-Bid Meeting attendees must e-mail Salvador Martinez at [martinezsalv@sacsewer.com](mailto:martinezsalv@sacsewer.com) with attendee names no later than 24 hours prior to the meeting. This information is required to provide access at the Treatment Plant's security gate.

Detailed bid request document RFB #8228 can be obtained by contacting Tamblynn Stewart at (916) 875-9014 or [stewart@sacsewer.com](mailto:stewart@sacsewer.com)

Detailed bid request document RFB#8228 can be obtained by contacting the Regional San Bidline [www.regionalsan.com/general-opportunities](http://www.regionalsan.com/general-opportunities)

## **SCOPE OF WORK**

---

### **1. Background Information**

The available information about digester cleaning is from a previous and larger digester (Digester 11). Digester 11 was last cleaned in the summer of 2016 after more than five years of operation. Regional San removed Digester 11 from service and the sludge was drawn down to about elevation 105 feet (5 feet above the top of the sloped floor), and a contractor cleaned and disposed of the remaining contents. This contractor utilize pumps, vacuums and a belt press for the removal, with questionable efficiency. However, another contractor had better success by pumping the contents of the digester through a rotary step screen with 3/16" openings, which was modified to improve its effectiveness for trash removal. The screened liquid was transported to a storage tank prior to feeding a belt filter press. The approximate volume of material removed was 800,000 gallons, not including the wash water that was added by the contractor for cleaning purposes. Appendix Q shows the type of equipment used during the cleaning operation and type of material encountered.

### **2. Digester Cleaning**

Digester 6 and 7 will remain in service until approximately 2 weeks prior to start of work. At that time, Regional San will take the digester out of service and remove as much of the sludge as is practical prior to start of work. See Figure 1 for digester dimensions and access points. Digesters are 110 feet in diameter based on Regional San's as-built drawings. Following is a description of how the final quantities will be estimated.

1. Mobilization/Demobilization – This is a lump sum submitted under Line Item No. 1 of the Cost Response. Payment for this line item shall be in accordance with section 8-1.03.B (Mobilization a Pay Item) of the Sacramento County Standard Construction Specifications.
2. Volume of Solids (gallons) – Prior to start of work, Contractor and Regional San shall measure the level of solids at points near the available access manways (typical of 6) to determine the volume of material to be removed using the tank's physical dimensions. This will be paid under Line Item No. 2 of the Cost Response.
3. Dewater Sludge (dry tons) – Weight of dewater sludge removed will be calculated based on manifests from the landfill and percent solids results from the laboratory. Regional San has an onsite laboratory to determine the percent solids of dewater sludge samples, but the contractor may want to perform verification tests at his/her own expense. This will be paid under Line Item No. 3 of the Cost Response.
4. Trash Material (wet tons) – Weight of trash material removed will be calculated based on manifests from the landfill.

All solids removal shall be performed using a pump method. The contractor shall perform screening of all pumped materials using a maximum 1/4" screen grain. The bid shall include a work plan detailing what type of equipment will be used to complete the cleaning operation. Sludge shall be dewatered to meet requirements dictated by the landfill disposal site, but to no less than 20% total solids. Contractor shall identify any chemicals or polymers will be used and include a copy of the Safety Data Sheets for each. Trash material shall be dewater to meet transportation and landfill disposal requirements.

The Contractor shall furnish, install and remove adequate scaffolding, special rigging, ventilation, lighting, and required temporary power and wiring in accordance with local, state and federal regulations and codes, and as required to complete the cleaning operation.

### 3. **Disposal of Waste Stream or Return Flow**

Regional San will accept the waste stream from the contractor cleaning operation of up to 500 gallons per minute. The manner in which the Contractor returns the waste stream to the plant shall be approved by Regional San. The waste stream shall be screened for gravel, plastics, and other debris prior to returning the flow to the plant waste system. The waste stream shall have a maximum TSS concentration of 2000 mg/l (0.2% total solids concentration) or less at all times. The contractor shall not use dilution water to meet this limit. Regional San shall be allowed to take grab samples of the drainage at any time.

### 4. **Hauling and Disposal of Digester Contents**

The contractor shall be responsible for all hauling and disposal of all material removed from the digesters, including providing disposal containers and moving them between the staging area and work area. Disposal of contents cleaned from digesters shall be as indicated and approved by Regional San, and shall be in accordance with all local, state and federal laws. The contractor will be required to submit all disposal manifests before final payment is issued.

The most recent digested biosolids sample data (heavy metals, etc.) is included in the Appendix S. Disposal of biosolids by land application is not allowed.

Regional San has identified a staging area for the contractor's equipment and disposal containers. See attached site plan in the Appendix R. The contractor traffic shall be approved by Regional San. The contractor is responsible for any damage to the asphalt or surrounding structures.

Material removed from the digesters shall be stored and transported by enclosed and leak proof containers or vehicles. Containers shall be covered as soon as they are filled and shall remain covered until they leave the plant property. The Contractor is fully responsible for clean-up, removal and sanitizing of any spillages and related waste occurring between removal point and delivery point.

The truck hauling schedule under this contract shall be coordinated with the designated Regional San representative. Any changes to the established schedule must have prior approval of this representative.

### 5. **Contract Schedule**

Full and complete cleaning of the blending digester tanks from start to finish, including mobilization equipment and acceptance by Regional San, shall not exceed 65 working days.

The hours of work under this contract shall be coordinated with the designated Regional San representative. Any changes to the established schedule must have prior approval of this representative.

**APPENDIX I  
COST RESPONSE**

The cost of all labor, material and equipment necessary for the completion of the work itemized, even though not shown or specified, shall be included in the unit price for the various items shown herein.

Regional San reserves the right to increase or decrease the quantity of any item or omit items as may be deemed necessary, and the same shall in no way affect or make void the contract, except that appropriate additions or deductions from the contract total price will be made at the stipulated unit price.

Regional San future reserves the right to reject any or all bids, to waive any informality or irregularity in any bid or the bidding procedure, and to delete any items of work in the award of contract.

Item	Description	Estimated Quantity	Units	Unit Price (\$/unit)	Total Bid Based on Estimated Quantity (Dollars)
1.	Mobilization/Demobilization	1	Lump Sum		
2.	Volume of Solids. Volume as measured prior to commence.	1,750,000	Gallons		
3	Dewatered Sludge Dewatered sludge material to a minimum 20% solids.	1,000	Dry Tons		
4.	Trash Material Screenings removed.	400	Wet Tons		
<b>TOTAL BID AMOUNT:</b> <b>(sum of all contract services including bid items listed above)</b>					
<b>Total Bid in Words:</b>					

**Addenda:**

It is acknowledged that addendum numbers \_\_\_\_\_ through \_\_\_\_\_ have been received and examined as part of these contract documents.

\_\_\_\_\_  
Signature of Bidder

\_\_\_\_\_  
Title



### List of Bids Received - Digester No. 11 Cleaning

RFB No. <b>8207</b> Project <b>Digester No. 11 Cleaning</b> Client SRCSD Proj Mgr. Guillermo Robles Bid Date 3/22/2016  <b>Engineer's Estimate \$270,00</b>				<b>1</b>		<b>2</b>		<b>3</b>	
				CONTRACTOR ADDRESS CITY PHONE CONTACT		Polston Applied Technologies - CA		Pipe and Plant Solutions Inc.	
ITEM NO.	ITEM DESCRIPTION	UNIT	APPROX. QUANTITY	ADJ. AMOUNT	ADJ. AMOUNT	ADJ. AMOUNT	ADJ. AMOUNT		
1	<b>Mobilization/Demobilization:</b>	LS	N/A	\$15,000	\$19,292	\$48,700			
2	<b>Volume of Solids:</b> Volume measured prior to comence.	GAL	800,000	\$200,000	\$256,000	\$240,000			
3	<b>Dewater Sludge:</b> De-water sludge materials to minimum 20% solids.	DRY TONS	300	\$13,500	\$86,700	\$115,200			
4	<b>Trash Material:</b> Screenings removed.	WET TONS	200	\$9,000	\$22,400	\$30,000			
	<b>TOTAL BID AMOUNT: SUM OF all contract services including bid items 1-4</b>			<b>\$237,500</b>	<b>\$384,392</b>	<b>\$433,900</b>			

**ADDENDUM NO. 3 - PHOTOS**



**Photo 1: Looking inside Digester 11 at start of cleaning.**



**Photo 2: Looking inside Digester 11 at start of cleaning.**



**Photo 3: Looking inside Digester 11 at start of cleaning.**



**Photo 4: Dewatered Sludge.**



**Photo 5: Looking inside Digester 11 below elevation 100ft.**