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**NOTICE TO CONTRACTORS**  
**RFP #1213-180**  
**Wastewater Reclamation Plant Digester Rehabilitation Project – Phase I**  
**Rebid**  
**PWP# CC-2013-238**

June 25, 2013

Addendum No. 2

Please make the following additions/changes to the above referenced project.

On page NC-2 of bid document change paragraph **SEALED BIDS** and **BID OPENING** date to: July 3, 2013, times remain the same.

**Specifications:**

1. Delete Specification Section 01\_11\_02 Project Manual Language in its entirety.
2. Delete Specification Section 01\_29\_00 Payment Procedures in its entirety.
3. Delete Specification Section 01\_29\_72 Schedule of Values in its entirety.
4. Delete Specification Section 01\_29\_77 Applications for Payment in its entirety.
5. Delete Specification Section 01\_32\_16 Progress Schedules and Reports in its entirety.
6. Delete Specification Section 01\_35\_00 Project Procedure in its entirety.
7. Delete Specification Section 01\_35\_16 Alteration Project Procedures in its entirety.
8. Delete Specification Section 01\_35\_22 Safety Plan in its entirety.
9. Delete Specification Section 01\_35\_44 Hazardous Materials in its entirety.
10. Delete Specification Section 01\_42\_13 Abbreviations in its entirety.
11. Delete Specification Section 01\_45\_00 Quality Control in its entirety.
12. Delete Specification Section 01\_45\_24 Special Tests and Inspection in its entirety.
13. Delete Specification Section 01\_50\_00 Hazardous Materials in its entirety.

14. Delete Specification Section 01\_60\_00 Product Requirements in its entirety.
15. Delete Specification Section 01\_71\_23 Field Engineering in its entirety.
16. Delete Specification Section 01\_50\_00 Hazardous Materials in its entirety.
17. Delete Specification Section 01\_77\_00 Closeout Procedures in its entirety.
18. SPECIFICATION: SECTION 01\_14\_00 WORK RESTRICTIONS:

Revise **DIGESTER CLEANING AND PREPARATION** to read:

The CONTRACTOR shall provide cleaning and preparation *in* accordance with Section 46\_01\_72 for portions of the Work that require facilities to be taken out of service.

Construction work in Digester Number 1 (**Digester**) requires shutdown, cleaning, and preparation of Digester. Procedures for ~~shutdown~~, cleaning, and preparation of Digester must be approved in writing by the ENGINEER and the OWNER.

Shutdown of the Digester Number 1 is limited to the period between ~~May 01 and October 31~~ **July 22 and December 31**, unless specifically approved in writing by the OWNER.

CONTRACTOR is responsible for all dewatering, handling, hauling, and disposal of all **approximately one third (1/3) of the** biosolids contained in the Digester Number 1. **This volume is estimated to be 150,000 gallons (+/- 10%).** The **OWNER CITY** ~~may~~ **will** remove approximately ~~one third (1/3)~~ **two thirds (2/3)** of the digester solids and dewater them through its regular dewatering process. CONTRACTOR must coordinate all cleaning and dewatering procedures with the **OWNER CITY**.

CONTRACTOR is responsible for all handling, ~~hauling~~, and disposal of washwater generated from the cleaning procedures. **Washwater may be discharged to the headworks facility with approval of the CITY and in coordination with Plant Operation Staff.**

CONTRACTOR must meet all ~~NDEP~~ **local, state, and federal** requirements for handling, hauling, and disposal of biosolids and washwater.

19. SPECIFICATION: SECTION 46\_01\_72 DIGESTER CLEANING:

Revise **SAFETY REQUIREMENTS - GENERAL** to read:

The CONTRACTOR shall be solely and completely responsible for the safety of all persons and property during the contract period.

The CONTRACTOR shall take necessary precautions to ensure protection of the health and safety of human life and **shall** follow all **OSHA required** confined space procedures.

The CONTRACTOR shall meet the following safety requirements, and any additional measures necessary to ensure protection of health and safety:

~~All digester gas shall be completely purged using an inert gas (i.e. nitrogen gas) to eliminate the risk of fire or explosion prior to opening and/or draining anaerobic digester tank. CONTRACTOR shall furnish purging gas and all necessary equipment.~~

***The OWNER will be responsible for the Digester shut down procedures. The OWNER's safety procedures must be followed by the CONTRACTOR at all times.***

Interior air quality shall be tested continuously once hatches are opened for ventilating, draining, cleaning, and follow-up inspection, ***and prior to and during confined space entries.***

Log all air sampling information.

Test interior air for methane, carbon dioxide, carbon monoxide, hydrogen sulfide, **oxygen**, and lower explosion limit.

If readings exceed OSHA standards for a working environment, do not enter the digesters.

Provide proper ventilation to maintain OSHA quality standards.

1. Fire, and explosion, **and toxic** hazards exist from high methane content digester gas.

Gas safety measures shall be taken while working on the digesters.

2. Do not allow the following materials or any other flammable type materials in or around a digester:

Petroleum products.

Flammable clothing.

Do not allow any ignition source within a safe distance of the **D**igester, including, but not limited to:

Sparking equipment or tools including boots with nails and tacks on soles.

Welding equipment.

Cigarettes and lighters.

Non-explosion proof electrical equipment and motors.

3. Temporary blind flanges shall be installed on gas piping to prevent backflow of digester gas during the **D**igester cleaning. Remove upon completion of the digester cleaning.

4. All safety related accidents shall be reported to the OWNER not more than 24 hours after occurrence.

5. Enter digesters using only the hatches located at the ground level.

6. If hazardous materials are encountered, set up a decontamination system and develop procedures for using such a system.

20. SPECIFICATION: SECTION 46\_01\_72 DIGESTER CLEANING:

Revise **DIGESTER DESCRIPTION** to read:

Dimensions/components:

The ~~digesters are~~ **Digester is** circular, concrete ~~tanks tank~~ with a [fixed concrete] ~~cover covers~~ and sloped ~~bottom bottoms~~. The ~~configurations~~ **configuration** of the **Digester is** ~~digesters are~~ as follows, all dimensions must be confirmed by the contractor:

Digester No.	1
Diameter, feet	50
Sidewater Depth (normal), feet	29
Approximately Effective Volume, cubic feet	<del>57,000</del> <b>60,300</b>

The major components of the **Digester** ~~digesters~~ are biosolids feed, ~~effluent~~ **discharge** and recirculation ~~return~~ lines, digester overflow box, roof mounted gas collection equipment, sample hatches, sight glasses, and access ports as indicated in the Drawings.

Contents/history of operation:

The **Digester** ~~digesters were~~ **was** last cleaned in ~~FILL IN~~ **2008** and ~~have~~ **has** not been taken out of service or cleaned since.

The contents include anaerobically digested biosolids, organic and inorganic materials, nonvolatile materials, debris, rags, grits, and other materials that have accumulated.

**The CONTRACTOR shall** ~~assume~~ a homogeneous solids content of ~~6 to 10~~ **2 to 4** percent.

~~assume~~ **Do not assume** anaerobic ~~the~~ digester is **not** of typical condition for purposes of cleaning. ~~and~~ **Equipment, procedures, and efficiencies for cleaning shall be specifically based on the contents and history of operation described in this Section.**

~~CONTRACTOR shall assume~~ that significant additional effort beyond normal procedures will be required for fluidizing, loosening, and pumping the contents.

~~The digester may be lowered to an elevation that will be coordinated with the City operation staff prior to cleaning.~~

**Drawings:**

1. Drawing D-01, Sheet 5 of 20:

Add the following general note:

***3. Demolish existing digester gas piping and appurtenances up to the limit of installation of the new digester gas piping shown on drawing P-02.***

**End of Addendum 2**