

ADDENDUM NO. NINE (9)

Project: Harold D. Thompson Regional Water Reclamation Facility
(HDTRWRF) Phase 1 – 2.5 MGD
Request for Proposal (RFP) for Biosolids Treatment & Handling Equipment

Date of Addendum: December 27, 2011

Owner: Lower Fountain Metropolitan Sewage Disposal District
RFP Issued by Weaver Construction Management, Inc. (WCMI)

Engineer: GMS, Inc. Phone: (719) 475-2935
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Colorado Springs, CO 80903

THE FOLLOWING REVISIONS AND CLARIFICATIONS ARE HEREBY MADE TO THE BIDDING AND CONTRACT DOCUMENTS FOR THIS PROJECT:

PART I – GENERAL

1.01 SCOPE

- A. This Addendum forms a part of the Request for Proposal (RFP) for Biosolids Treatment and Handling Equipment and may modify the Project Manual and Drawings as described below.
- B. This Addendum consists of two (2) pages.

1.02 ACKNOWLEDGMENT

- A. Acknowledge receipt of this Addendum by return electronic mail correspondence to WCMI.

PART II - PROJECT MANUAL

- 2.01 BIDDING REQUIREMENTS – This Addendum No. Nine (9) makes no changes to the Bidding Requirements, except as described below.

2.02 TECHNICAL SPECIFICATIONS

- A. **CLARIFICATION AND ADDITIONAL INFORMATION**, RFP Paragraph 3.0 – Process Equipment Sizing Parameters:
 - 1. The response to the RFP may include any combination of thickener and dewatering equipment any manufacturer may desire to present. A combination thickener and belt press is acceptable, recognizing that it is likely that the process design will require thickening prior to aerobic digestion. Therefore, the thickener discharge must be directed to the digester system, and then returned to the dewatering process, i.e., belt filter press.

Skid-mounted machines with pumping equipment and controls, solids transfer equipment and controls and integral polymer storage and feed systems are encouraged. However, any combination of freestanding equipment will be considered as well.

2. The suggested waste activated sludge thickened concentration of 1.8% is flexible. This may be considered to be a minimum, with a maximum being dependent upon an efficient aerobic digestion process without compromising the cost efficiency of the air delivery system to the aerobic digesters. The given clarifier underflow WAS concentration (paragraph 3.g.) is considered to be a valid design criteria based on experience in similar treatment systems at nearby facilities operating with the same wastewater to be directed to the HDTRWRF when operation commences.

The mean cell residence time (MCRT) in the aerobic digester basin must be in conformance with the guidance published by the Colorado Water Quality Control Division for aerobic digestion processes. Refer to paragraph 3.c. of the RFP document. In general, this guidance requires MCRT to be within the range of that specified in 40 CFR Part 503 regulations for volatile solids and pathogen reduction. Refer to Water Environment Federation (WEF) Manual of Practice No 8, Chapter 18. GMS, Inc. will refine the process design in compliance with applicable design criteria review documents based on the selected equipment and process system train.

PART III – DRAWINGS – This Addendum No. Nine (9) makes no changes to the Drawings associated with the Request for Proposal for Biosolids Treatment and Handling Equipment.

THIS ADDENDUM IS HEREBY MADE A PART OF THE BIDDING AND CONTRACT DOCUMENTS INCLUDING THE RFP FOR BIOSOLIDS TREATMENT AND HANDLING EQUIPMENT FOR THIS PROJECT AND IS BINDING AS IF PRINTED AND BOUND THEREIN. ALL PROPOSERS SHALL ACKNOWLEDGE RECEIPT OF THIS ADDENDUM AS DESCRIBED IN THIS ADDENDUM, PARAGRAPH 1.02.

END OF ADDENDUM NO. NINE (9)