

GMS, INC.
CONSULTING ENGINEERS
611 NORTH WEBER, SUITE 300
COLORADO SPRINGS, COLORADO 80903-1074

TELEPHONE (719) 475-2935
TELEFAX (719) 475-2938

EDWARD D. MEYER, P.E.
ROGER J. SAMS, P.E.
GREGORY R. WORDEN, P.E.
THOMAS A. McCLERNAN, P.E.

KEN L. WHITE, P.L.S.
DAVID R. FRISCH, P.L.S.
MARK A. MORTON, P.E.
JASON D. MEYER, P.E.

October 30, 2012

Mr. Wes Weaver, President
Weaver Construction Management, Inc.
3679 South Huron Street, Suite 404
Englewood, CO 80110

Via Email to: wes@weavercm.com
No Hard Copy to Follow

Re: Harold D. Thompson Regional Water Reclamation Facility (HDTRWRF)
Lower Fountain Metropolitan Sewage Disposal District (LFMSDD)

Dear Wes:

Reference is made to your shop submittal identified as follows:

Submittal No.:	15075-001A
Date of Submittal:	October 15, 2012
Title:	Model 2596 Automatic Self-Cleaning Strainer
Specification Section:	15075 - Automatic Strainer
Manufacturer:	Eaton Filtration, LLC

The above referenced submittal has been stamped "**Make Corrections Noted**" and "**Rejected**".
Our comments are as follows:

1. Regarding the control panel and wiring diagram, submittal drawing I-09407, please make the following corrections.
 - a. Revise the backwash assist pump motor information to match the submitted motor data. Note that the backwash assist pump included in this submittal has been rejected. Refer to subsequent Comment No. 5.
 - b. The status and fault contacts illustrated at the bottom of the wiring diagram indicate that no dry contacts are provided. Per Specification Section 15075, Paragraph 2.1.1.9.h.12), a common fault output contact must be provided for SCADA system monitoring. Please provide that contact.
2. The supplier's responses included in this submittal indicate the proposed pressure gauges are to be furnished with a pressure range of 0 to 30 psi. However, the previous submittal data indicates the same pressure gauges are available in a pressure range down to 0 to 15 psi. The previous submittal review comment requested the pressure gauges be provided in the lowest pressure range suitable for the specified project inlet pressure range of 0 to 10 psi. Please verify the availability of the pressure gauges in a 0 to 15 psi range and revise the submittal documentation accordingly.

Mr. Wes Weaver
October 30, 2012
Page 2

3. We acknowledge the supplier's verification of the following design parameters:
 - a. Maximum pressure loss through clean screen of no greater than 0.5 psig
 - b. Proposed strainer design maximum flow rate of 300 gallons per minute
 - c. Proposed strainer element screen opening size of 1/32-inch
4. The documents included in this submittal for the gear reducer do not provide the complete information previously requested for that unit. Please provide the following information.
 - a. Material specifications for internal gears
 - b. Gear reducer ratios
 - c. Input and output speeds
5. The submitted backwash assist pump is **Rejected**. The proposed pump data sheet indicates the pump can pass a sphere size up to 0.375 inches. Specification Section 15075, Paragraph 2.1.H.6. requires a minimum sphere size to pass of ½-inch. Please submit an alternate pump to meet the project specifications.
6. We acknowledge the supplier's verification that all spare parts required in Specification Section 15075, Paragraph 2.1.K. will be provided. According to WCMI's review comment, please submit data sheets for the spare parts to be provided.
7. Regarding the coating system proposed for the strainer, the documents included in this submittal only address external coating systems. Please provide data on internal coating systems proposed for this strainer.

Please call if you should have any questions.

Sincerely,



Mark A. Morton, P.E.

MAM/kmw

ec (letter only):

Mr. Jim Heckman, Manager, LFMSDD, lfmanager@lfmsdd.org

Ms. Cindy Murray, Office Manager, Fountain Sanitation District, fsdistrict@fsd901.org

Mr. Jeff Burst, Project Supt., Weaver Construction Management, Inc., jeff@weavercm.com

Mr. John Jacob, Project Mgr., Weaver Construction Management, Inc., john@weavercm.com

Mr. Adam Roeder, Weaver Construction Management, Inc., aroeder@weavercm.com

Ms. Leslie Brown, Weaver Construction Management, Inc., leslie@weavercm.com

cc (w/attachments): Mr. Jerry Miller, Resident Project Representative, GMS, Inc.