

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.

December 14, 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.:	15400-008
Date of Submittal:	December 10, 2012
Title:	Operations Building Water Treatment System
Specification Section:	15400 – Plumbing
Manufacturer:	Amtrol; Culligan; Pentek; Norwesco; Flowline; Aqua Treatment Service, Inc.

The referenced submittal has been stamped "**No Exception Taken**", "**Make Corrections Noted**" and "**Revise and Resubmit**". Our comments are as follows:

1. We acknowledge receipt of the Additional Submittal Review Comments provided by WCMI as an attachment to this submittal.
2. Amtrol RP-15HP Water Pressure Booster: **No Exception Taken**
3. Culligan Model AC-30 Reverse Osmosis System: **No Exception Taken** and **Make Corrections Noted**
 - a. We take no exception to the Model AC-30.
 - b. The Culligan Model AC 30 comes with three tank capacities, the 2-gallon, 3-gallon and 9-gallon. Per the project specifications, a minimum of 8-gallons is required; therefore, we request the 9-gallon tank be provided. **Make Corrections Noted**
4. Culligan Medallist Series® Plus 30 Water Softener: **No Exception Taken**
5. Pentek Big Blue® Filter Housing with 5 Micron Filters, #20 Big Blue®-1": **No Exception Taken**
6. Norwesco 100 Gallon Water Storage Tank: **No Exception Taken**
 - a. The storage tank referenced on the Construction Drawings was dimensioned as 23"x64". The proposed storage tank in the shop submittal has a dimension of 28" x 43". The

Mr. Wes Weaver
December 14, 2012
Page 2

Mechanical Room layout has very limited space. A smaller diameter, but taller, tank may be required to make the best use of the space. The Norwesco manufacturer offers a 105-gallon tank with dimensions of 23"x63" which would make better use of the space. We recommend the Contractor consider the alternative tank size which would allow for more space for piping inside the mechanical room.

- b. We request the Contractor/subcontractor review the pipe diameter inlet and outlet size when considering the tank to be used for the project, as well as placement of the level control switch.
7. Flowline Inc. EchoSwitch[®] II LU77 Ultrasonic Level Switch: **No Exception Taken**
 8. Aqua Treatment Service, Inc. DWS C Series Model 15C UV Disinfection System: **Revise and Resubmit**
 - a. The submittal documentation indicates this is an equivalent to the Trojan UV disinfection equipment specified. The specified equipment provides for 20 gallons per minute of disinfection. The proposed unit has a disinfection capacity of 15 gallons per minute.
 - b. The supplier has indicated the specified equipment is obsolete. Based on our internet research, the Trojan UVMax Pro 20 is a readily available product. We have contacted a plumbing supplier and they have indicated the specified unit is available.
 - c. We do not accept the Aqua Treatment Service, Inc. DWS 15C as an equivalent to the specified product.

Please call if you should have any questions.

Sincerely,



David R. Frisch, P.L.S.

DRF/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 (letter only): Mr. Jerry Miller, Resident Project Representative, GMS, Inc.