

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.

February 6, 2012

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

Via Email to: wes@weavergc.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.:	16289-002
Date of Submittal:	January 27, 2012
Title:	Electrical Equipment for Headworks Building: Surge Protection; Enclosed Switches; Panelboards; Low Voltage (Dry-Type) Transformers
Specification Sections:	16289, 16410, 16442 & 16461
Manufacturer:	Eaton Corporation

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

1. Panelboard HW-H1:

- a. Reference Construction Drawing ES-2. Note the following changes to Panelboard HW-H1 schedule. Please note the rating of the breakers noted below differs from those shown on the schedule of the drawings.
 - 1) Change the 60A, 3-pole breaker for the phase monitor (poles 43, 45, 47) to 20A, 3P.
 - 2) Change the 60A, 3-pole breaker for SPD to a 30A, 3-pole breaker.
- b. For the panelboard submittal, change the panelboard from 3-phase, 4-wire to 3-phase, 3-wire. Change the quantity of 15A, 3-pole breakers from 6 to 7 and change the 20A, 1-pole breaker to a 20A, 2-pole breaker.
- c. The panelboard is submitted as a top-feed. This is acceptable, but Contractor to verify feed location, as bottom-feed arrangement would appear to be preferred.

Mr. Wes Weaver
February 6, 2012
Page 2

2. Dry Type Transformer, 30KVA:

- a. Approved as submitted. However, change the transformer from copper winding, 80-degree rise, to aluminum winding, 150-degree rise unit. The transformer must still have NEMA TP-1 listing. This change is intended as a cost-savings measure for the Owner.
- b. We request MWI provide feedback on this alternative both in terms of whether this will provide reasonable, reliable service and if this is a cost-savings to the project. We also request feedback from MWI on what long-term drawbacks may be experienced should this alternative be incorporated into the project.

3. Disconnect Switch for MUA-1:

- a. Approved as submitted. However, switch submitted is stainless steel, NEMA 4X. Painted steel, NEMA 3R disconnect switch is also acceptable

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@weavergc.com

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

Mr. Tyler Ammerman, Weaver Construction Management, Inc., tammerman@weavergc.com

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

Mr. Mark Reasinger, P.E., Plant Engineering Consultants, Inc., mreasinger@planteci.com

cc: Mr. Jerry Miller, Resident Project Representative, GMS, Inc.