

**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. McCLENNAN, P.E.

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

August 23, 2011

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.:	03300-009H
Date of Submittal:	July 26, 2011
Title:	Concrete Mix Designs for Headworks Building
Specification Section:	03300
Manufacturer:	Rocky Mountain Premix; BASF Construction Chemicals, LLC

The referenced submittal has been stamped "***No Exception Taken WITH COMMENTS***". No additional information or resubmittal is required on this item. Our comments are as follows:

1. This submittal is a resubmittal with additional information for use of this concrete mix design in all portions of the Headworks Building, particularly all process-related walls at flow channels, and channel slabs. If the intended use in accordance with this resubmittal is not correctly stated, please inform GMS, Inc.
2. It has not clearly been stated that this mix design, Mix Design No. A70F, is intended for use on the non-process related floor slabs. Lacking that request, it is requested that a mix design with a maximum slump of 3 inches and a water/cement ratio no greater than 0.40 be utilized on all floor slabs in this facility. The non-process related floor slabs, i.e., screen room, future chemical feed area and dumpster room, require concrete material of the highest possible durability.
3. It is understood and agreed with Weaver Construction Management, Inc. (WCMI) that this submittal is accepted with comments as an accommodation to facilitate constructability in this structure. Although Submittal No. 03300-009G indicated this mix design was only acceptable in the headworks pump room walls, it is being accepted as described above. This is based on material submitted by WCMI in support of a request to determine that this particular mix design has suitable durability for this applied use. Representations by WCMI have been made that indicate this mix is suitable for the specified use in the HDTRWRF headworks facility.

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4. Representations made in the supporting documentation provided by WCMI indicate that durability is largely dependent upon water/cement ratio. Because of the severe environmental conditions in this structure, i.e., corrosive conditions, it is absolutely imperative that the water/cement ratio be maintained as low as reasonably practical, no greater than 0.40. Should it be determined that a mix delivered to the site with a water/cement ratio greater than 0.40, it must be rejected by WCMI.
5. The submitted alternate Mix Design No. A70F indicates a maximum slump of 5" at the point of placement. This is an absolute maximum allowable for this mix design, no exceptions. It shall be the responsibility of the Contractor and his subcontractors and/or suppliers to ensure this slump and other mix design parameters of the project specifications are met at the point of placement in the formwork. Close coordination will be required to ensure that the concrete is batched, transported and placed appropriately to obtain the required product parameters at the point of placement.

Please call if you should have any questions.

Sincerely,



Roger J. Sams, P.E.

RJS/kmw

ec (letter only):

Mr. Jim Heckman, Manager, LFMSDD, [lfmanager@lfmsdd.org](mailto:lfmanager@lfmsdd.org)  
Ms. Cindy Murray, Office Manager, Fountain Sanitation District, [fsdistrict@qwestoffice.net](mailto:fsdistrict@qwestoffice.net)  
Mr. Jeff Burst, Project Superintendent, Weaver General Construction Co., [jeff@weavergc.com](mailto:jeff@weavergc.com)  
Mr. John Jacob, Project Manager, Weaver General Construction Co., [john@weavergc.com](mailto:john@weavergc.com)  
Ms. Leslie Brown, Weaver General Construction Co., [leslie@weavergc.com](mailto:leslie@weavergc.com)  
Mr. Mike Gaines, P.E., MGA Structural Engineers, [mg@mgase.com](mailto:mg@mgase.com)

cc (letter only):

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