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January 28, 2013

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.:	16700-003A
Date of Submittal:	January 28, 2012
Title:	Blower Building SCADA System
Specification Section:	16700
Manufacturer:	Various

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

1. The following items pertain to Submittal Drawing BB-4.
  - a. Regarding the I/O list provided in Submittal Drawing BB-4 for the high speed turbo blowers, this does appear to be a complete I/O list as stated in the response letter submitted by Browns Hill Engineering and Controls (BHEC). However, not all the data points shown in this listing will be communicated to the plant's SCADA system. Please ensure the correct data points are communicated to the plant's SCADA system according to the items described in the Instrumentation and Control Narrative and discussed in recent Design Team Conferences. Provide specific indication of those data points communicated to the plant's SCADA system.
  - b. It was noted in the BHEC response letter that the harmonic filter high temperature alarm PLC address has not been provided. WCMI shall coordinate with its blower supplier to ensure this information is provided for proper PLC programming.
  - c. The IP address table given on Submittal Drawing BB-4 still does not show IP addressing for the PLC and HMI units of the blower controls. The BHEC response letter indicates these items have been requested from the blower manufacturer. WCMI shall ensure that information is provided to BHEC in a timely manner to accommodate proper programming and project schedules.

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2. The following items pertain to Submittal Drawing BB-3.
- a. Regarding the I/O list for the multi-stage centrifugal blowers provided on Submittal Drawing BB-3, this list appears to be a complete listing of all data points available as indicated in the BHEC response letter. Not all data points shown will be communicated to the plant's SCADA system. Therefore, please ensure that only the necessary data points are communicated to the SCADA system according to the items discussed in the Instrumentation and Control Narrative and recent Design Team Conferences. Provide specific indication on Submittal Drawing BB-3 for those data points that are communicated to the plant's SCADA system.
  - b. A data point for the harmonic filter high temperature alarm condition does not appear to be provided in the multi-stage centrifugal blower I/O list. Please verify that data point will be communicated to the SCADA system via the Ethernet connection provided, and confirm its PLC address with the blower manufacturer.
  - c. The IP address table given on Submittal Drawing BB-4 still does not show IP addressing for the PLC and HMI units of the blower controls. The BHEC response letter indicates these items have been requested from the blower manufacturer. WCMI shall ensure that information is provided to BHEC in a timely manner to accommodate proper programming and project schedules.

Please call if you should have any questions.

Sincerely,



Mark A. Morton, P.E.

MAM/lgp

ec (letter only):

Mr. Jim Heckman, Manager, LFMSDD, [lmanager@lfmsdd.org](mailto:lmanager@lfmsdd.org)  
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