Response to Questions &
Addendum No. 1
Hampton Plantation Water Production Facility
Brunswick Glynn County Joint Water & Sewer Commission
April 15, 2015

Response to Questions:

Questions	Answer
1. Section 01055, paragraph 1.03D mentions a surveying cash allowance. We were unable to find this.	There is no survey cash allowance for this project.
2. Will there be a fee involved for a local building permit?	The contractor is responsible for all necessary building permits/fees.
3. The contract "Special Conditions" state that the existing facility must remain operational. What is the contractor supposed to do for water supply while the existing well pump is removed for repairs? Will the existing facilities need to remain in operation until the new facilities are substantially completed and accepted by the owner?	If a water supply is required by the contractor, arrangements can be made with the Owner for a temporary connection to the 12" distribution line and setting a water meter for construction water supply. The existing facilities will remain in operation until the new facilities are essentially complete. The Owner anticipates that a 2 to 3 week shutdown of the facility will be required for well and SCADA modifications to be completed. Startup of the new facility should be ready to begin essentially immediately after the well and SCADA modifications are completed.
4. Specification 13200 Section 2.10.D calls for a fiberglass Liquid Level Indicator. Drawing Sheet GST-4 shows a fiberglass Liquid Level Indicator detail. Drawing Sheet GST-1 shows no Liquid Level Indicator. Please confirm that a Liquid Level Indicator is an accessory on this tank.	Liquid Level Indicator is a required accessory.
5. Note G.1 on Sheet GST-1 calls for one coat of Thoroseal and two coats of Sherwin Williams DTM acrylic latex on the tank exterior. PCT Specification Section 2.11.A calls for two coats Tnemec Series 156 or two coats Thoroseal. Specification Section 09900 calls for two coats Tnemec Series 180 Tneme-Crete on porous exterior exposed concrete. Please select your desired exterior coating schedule for the prestressed concrete tank.	Exterior Coating shall consist of one of the following systems Contractor's choice: 1. Two coats Tnemec Series 156 Enviro-Crete Modified Waterborne Acrylate. 2. Two coats Thoroseal Waterproof Cement-Based Coating. 3. Two coats of Sherwin Williams DTM acrylic latex.

	Interior Coating shall be per Note G.2 on Drawing GST-1.
6. Will the owner pay for filling the generator with diesel fuel or is this the contractor's responsibility?	The Contractor should provide sufficient diesel for testing and to demonstrate that equipment is fully operational. A full tank of diesel is not required. The Owner will fill the tank after the generator is substantially complete and the Contractor has completed his testing.
7. Please provide the flood elevation for which the tank should be designed.	The flood elevation is given on Note 8 on Sheet C-1, Original Survey. The flood elevation is 12.
8. (Re: High Service Pumps) It's our understanding that nickel aluminum bronze also meets the requirement for high service pumps and the revised specification you sent me still calls for that material for the pump impellers. Please advise if nickel aluminum bronze is acceptable.	Impeller: Nickel aluminum bronze should the requirement of the Clean Water Act of 2014. However, it is the manufacturer's responsibility to make sure that all pump components meet the requirements of the law.
9. Paragraph 2.06 makes reference to four pumps and variable speed controllers. Please clarify that there are only two pumps required and that they are constant speed driven.	Two (2) high service pumps are required for the project, not 4 pumps. Danfoss VFD's are required for both pumps. See Note 30 on Dwg. ME-3. This drawing and note call for a Danfoss FC302 VFD for each pump
10. Request submitted for pre-approval of Goulds Model 4x6-13H pumps.	The request for pre-approval of the Goulds Model 4x6-13H pumps for this project is approved. Modifications to the drawings are the responsibility of the Contractor. This pump must meet the construction requirements of the Clean Water Act of 2014. This act was signed into law in Dec. 2014 and requires that all pumps be manufactured without lead. This requires that bronze parts be replaced with stainless steel parts See Addendum for revised Section 11311 specifications.
11. Request submitted for pre-approval of Precon Corp. as a qualified supplier of the PC Ground Storage Tank.	Precon Corp.'s submittal information and request for pre-qualification to construct the ground storage tank and aerator at the above referenced facility was reviewed and their request for pre-qualification for this portion of the project is approved.

12. Request submitted for pre-approval of Pentaire, Series 420, Model 421, 6x8x17B pumps.	The request for pre-approval of the Pentaire, Series 420, Model 421, 6x8x17B pumps for this project is approved. Modifications to the drawings are the responsibility of the Contractor. This pump must meet the construction requirements of the Clean Water Act of 2014. This act was signed into law in Dec. 2014 and requires that all pumps be manufactured without lead. This requires that bronze parts be replaced with stainless steel parts See Addendum for revised Section 11311 specifications.

End of Response to Questions

ADDENDUM NO. 1

Item No. 1

The following changes are made to the chlorination system:

1. Chlorine scales changed. See Item 5, Chlorination System Notes on attached drawing P-1 dated 4/9/2015.
2. Chlorine Gas Detector Controller (CGC-1) and Chlorine Gas Detector (CGS-1) changed. See Items 16 and 17, Chlorination System Notes on attached drawing P-1 dated 4/9/2015.
3. Emergency Shutoff System for Dual 150 # cylinders with accessories added. See Item 19, Chlorination System Notes on attached drawing P-1 dated 4/9/2015. Note this includes an Emergency Panic Shutoff button near the door to the chlorine room. See Revision B on Plan View on drawing P-1.
4. See addition of ESV-1 on Electrical Power & Controls Plan – New Work and Notes # 34 and 35 on attached drawing ME-3 dated 4/9/2015.

Item No. 2

The following changes are made to the process instrumentation and SCADA system:

1. A pressure transmitter (PT-1) is added to the discharge piping of High Service Pump #2. See Section A-A' on attached drawing P-1 dated 4/9/2015.
2. See addition of PT-1 to SCADA RTU Input/Output Schedule on attached drawing ME-2 dated 4/9/2015.
3. See addition of PT-1 on Electrical Power & Controls Plan – New Work and Note #33 on attached drawing ME-3 dated 4/9/2015.

Item No. 3

The attached revised Specification Section 11311, Horizontal Split Case Pumps dated April 3, 2015 hereby replaces the original specification Section 11311 in its entirety.

End of Addendum