



4. **Q: Regarding the SBR Control Panel, please confirm the number of inputs and scope of control.**

A: System Integrator will be responsible for modifying the SBR control panel.

## II. CONTRACT DOCUMENTS & SPECIFICATIONS

### A. Section 11251 – Tertiary Disk Filter System

1. **Refer to Paragraph 1.1.A**

Strike “..required for the installation of two (2) automatic backwash filter system...” and replace with the following: “required for the installation of two (2) AquaDisk Cloth Media Filter System...”

2. **Refer to Paragraph 1.2.A**

Strike “Effective Filter Surface Area per unit, ft<sup>2</sup>” and replace with the following: “Total Effective Filter Surface Area, ft<sup>2</sup>”

3. **Refer to Paragraph 2.5.C**

Strike “Cloth shall be OptiFiber PES-14 all microfiber (nominal filtration rating of 10 microns).” And replace with the following: “Cloth shall be OptiFiber PES-14 all microfiber (nominal filtration rating of 5 microns).”

4. **Refer to Paragraph 2.39.A**

Strike “The operator interface shall be a NEMA Type 12, 13, 4X rated, 6.5” diagonal...” and replace with the following: “The operator interface shall be a NEMA Type 12, 13, 4X rated, 15” diagonal...”

**Clarification:** The HMI shall be 15” as shown on the drawings.

### B. Section 11600 – Ultraviolet Disinfection Equipment

1. **Change Paragraph 2.2.J.6 to read:**

“Electrical supply to each Powder Distribution Center will be 480/277 VAC, 3-phase, 4-wire (plus neutral), 60Hz, 4.6 kVA.”

2. **Change Paragraph 2.2.J.7 to read:**

“Electrical supply to the Hydraulic System Center will be Powered through 480V panel (3 phase, 3 wire).”

3. **Change Paragraph 2.2.J.9 to read:**

“Electrical supply to the System Control Center will be 120V 1 Ph, 2 Wire + Gnd, 60 Hz, 0.3kVA.”

4. **Strike Paragraph 2.2.L.h**

**Clarification:** Modem shall be removed from the scope of supply. Telephone cable and conduit shall also be removed from Contractor’s scope.

- C. **Section 13420 – Instrumentation and Devices**
  - 1. **Replace Paragraph 2.1.F.1 with the following:**  
“The meter shall be Krohne Model ENVIROMAG series, Rosemount, or Engineer approved equivalent.”
  
- D. **Section 16050 – Basic Electrical Materials and Methods**
  - 1. **Add the following to Paragraph 2.5:**  
“E. Switches: 22MM ABB Modular Range, M3SSC series type switches.”
  
- E. **Section 16160 – Cabinets and Enclosures**
  - 1. **Refer to Paragraph 2.2.A**  
Replace “10-gauge” with “2 mm-thick”
  
  - 2. **Refer to Paragraph 2.2.D**  
Replace “14-gauge steel” with “14-gauge galvanized steel”
  
  - 3. **Refer to Paragraph 2.4.A**  
Add the following: “D. Pheonix contact push in type terminal blocks are acceptable..”
  
- F. **Section 16455 - Grounding**
  - 1. **Refer to Paragraph 3.5**  
**Clarification:** The SCC Touch Smart System is acceptable.

### III. PLANS

- A. **Refer to Sheet E1.02**
  - 1. **Refer to PANELBOARD PP-UV2, CKT NO. 1 (UV Power LCP-UV-PDC1) and CKT NO. 7 (UV Power LCP-UV-PDC2).**  
Change A from “14.8” to read “5.6”
  
  - 2. **Refer to MINI-POWER ZONE PANELBOARD MPZ-UV, CKT NO. 1 (UV SYSTEM LCP-UV-SEC).**  
Change A from “1.4” to read “2”
  
- B. **Refer to Sheet E1.06**
  - 1. New influent magnetic type flow meter FIT-IPS shall be removed from the scope.  
**Clarification:** The existing influent Parshall flume flow meter shall remain in service.

- C. Refer to Sheet E1.13**
1. **Refer to POWER DISTRIBUTION CENTER LCP-UV-PDC1**  
Change “12.4kVA/14.8FLA” to read “4.6kVA/5.5A”
  2. **Refer to POWER DISTRIBUTION CENTER LCP-UV-PDC2**  
Change “12.4kVA/14.8FLA” to read “4.6kVA/5.5A”
  3. **Refer to SCC SYSTEM CONTROL CENTER LCP-UV-SCC**  
Remove “Telephone Cable in 2” C.”  
**Clarification:** Telephone cable and conduit shall be removed from the Contractor’s scope. Modem shall be removed from the scope of supply.
- D. Refer to Sheet I1.01, Note 7**
1. Add the following to Note 7:  
“7.8 Aqua-Aerobics shall provide assistance for any SBR related PLC and HMI program modifications including existing PLC and HMI programs access, setpoints recommendations, and two (2) days of start-up and training assistance.  
  
7.9 Process equipment vendors supplying influent pumps, Headworks, UV and Filters control panels shall assist System Integrator with access to their PLC and HMI programs, I/O mapping and any interface required for proper communication with plant SCADA. System Integrator shall include full control and monitoring of the vendor supplied PLC based control system from the plant SCADA system.  
  
7.10 System Integrator shall minimize the control system down time during PLC replacement and CP-1 control panel modifications. System Integrator and Aqua-Aerobics shall assist plant operators to keep the plant running in manual mode during the PLC replacement.”

END OF ADDENDUM NO. 2