

## BID NUMBER #23141

### Project: Mill Creek WRF UV Disinfection Replacement

### Subject: Instrumentation & Controls

Date: December 8, 2023

### QUESTIONS:

STATUS	REFERENCE	SPECIFICATION REQUIREMENT	QUESTION	RESPONSE
Clarification requested	40 61 96 2.01.A.4	Each gate actuator will have dry contacts that provide Opened and Closed status to UV System 2 Control Panel.	Will UV System 2 need only to transfer these inlet gate statuses to SCADA or somehow act on them? Please clarify.	Only transfer inlet gate statuses to SCADA.
Exception requested	40 66 00		Please confirm that the intent is for the network equipment to be provided by others.	One network switch is required by the UV manufacturer per Section 46 66 56 2.07.A.1. for the UV equipment and the other network switch for the "open space" will be provided by Others and installed by the Contractor inside the UV SCC panel.
Exception requested	40 67 15 2.01.I.2.b	Provide single-phase surge suppression/line conditioner, sized for total panel loadings (Benden, Isotrol) between circuit breaker and 120Vac power distribution block.	Please confirm if the following is acceptable: Phoenix SPD for SCC. SPD is placed after heater, air conditioning and panel receptacle; 2907918	This is acceptable
Clarification requested	40 67 15 2.01.I.3	Provide separately fused power supply to each major panel component.	Please define 'major panel component'	HMI, PLC, Network Switch by Others, and Network Switch supplied by UV manufacturer, and other similar items.

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STATUS	REFERENCE	SPECIFICATION REQUIREMENT	QUESTION	RESPONSE
<b>Exception requested</b>	46 66 56 2.07.A.1	... outdoor-rated Allen Bradley PanelView 5310 HMI touchscreen.	Using PanelView 5310 HMI would require significant re-development of PLC program. Also PLC itself would have to be switched to a much more expensive model (5069-L350ERM or higher). Please confirm if a 12" Beijer HMI is acceptable as it is outdoor rated where the AB is not or alternatively an AB HMI (PanelView Plus 7 Performance 10", although as mentioned above is not outdoor rated and will need fairly expensive cover kit in order to maintain the 4X rating.	SECTION 46 66 56 – UV DISINFECTION EQUIPMENT revision:  Page 46 66 56-8, subparagraph 2.07.A.1., delete the words "Allen Bradley PanelView 5310 HMI" and replace with the words "Allen Bradley PanelView Plus or Beijer HMI"
<b>Clarification requested</b>	46 66 56 2.07.A.10	PLC Panel shall contain 6-inch by 6-inch open space for rail mounted unmanaged network switch with fiber optic ports furnished by the system integrator and mounted by Contractor in.	Please confirm network switch will be provided by others.	Network switch to be provided by System Integrator as specified.
<b>Exception requested</b>	Drawings 009-N-1	<u>Process Control System HMI - UV system</u> <u>2 UV sys hours - KIR</u>	UVSigna can only provide hours for individual UV banks, not for the entire system, please confirm this is acceptable.	This is acceptable.