

Township of Edwardsburgh Cardinal

Cardinal WTP UV Replacement

ADDENDUM NO. 3

ISSUED: April 2nd, 2025

This addendum is issued prior to receipt of tenders and shall amend and/or clarify the work from the following questions/items:

- Q1)** The existing voltage on the units is 480v fed with the 10kVA 600-480v. Contract documents note a 120/208v unit. Can you confirm if it is possible for the new units to be 480v and keep the existing feed or is a new feed to be run and if so, please confirm details.
- A1)** Voltage on the new units is to match the existing conditions. 480 V units are to be provided to utilize the existing power feeds.
- Q2)** Are the existing UV UPS's being reused?
- A2)** Yes, both existing UPS units have been recently replaced. The new UV units shall reconnect to the existing UPS systems. Voltages of new UV units shall match existing voltages as per Item # 1 to be compatible with the existing UPS.
- Q3)** Can you please reconfirm sequencing for this project for pricing purposes, is the intent to complete 1 unit and then the other taking one of our operation at a time?
- A3)** This is correct. One UV unit and associated control panel shall be replaced and commissioned prior to replacing the second unit.
- Q4)** Section 6 under Control Panel notes that signal wiring interfacing the UV Chamber with the CPP, shall be shown on the contract drawings. Who is to supply these contract drawings?
- A4)** There is no drawing provided for signal wiring. All existing signals shall be replaced like for like when the new control panels are installed.
- Q5)** The Control Power Panel locations are noted on drawing M1 and it notes that the CPP shall be installed within 20ft or 6M (external cable length) of the UV Chamber, was this confirmed.
- A5)** Contractor is to field measure the distance from the UV units to the control panels and provide the required cable lengths prior to ordering. For pricing purposes, assume 20 ft or 6 m.
- Q6)** Section 7 Control and Instrumentation Section notes that the UV PLC shall be capable of accepting an input flow signal (supplied by others). Where is this being supplied from?
- A6)** Input flow signal if present, is an existing signal and shall be reconnected to the new control panel.
- Q7)** Section 7.3 – Remote Monitoring – notes each system shall be provided with the following customer interface hardwired I/O – 6 Discrete Signals and 1 Analog. Are these to be run from the Trojan Control Panels to the Township Blue Panel PLC in the front hallway. Is there any existing I/O from the Trojan panels to the Town PLC?

- A7)** Contractor is to reconnect all PLC signals from existing UV control panels to the new UV control panels. Contractor to confirm number of signals required on field prior to ordering. For pricing purposes, assume 6 discrete and 1 analog are required.
- Q8)** Is Trojan to supply the protective cover for the lamps electrical connections?
- A8)** Yes, the protective cover shall be supplied by Trojan with the UV units.
- Q9)** Is there a gasket and bolt specification available?
- A9)** Bolts and gaskets shall be made of material suitable for use in a potable water plant as per Trojan's recommended installation procedures.

END OF ADDENDUM