

**DUTEAU CREEK WATER TREATMENT PLANT ULTRAVIOLET DISINFECTION UPGRADES**

**REQUEST FOR PROPOSALS**

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**Issued: MARCH 20, 2017**

**ADDENDUM # 3**

The Proposal Documents, RFP #2017-E372.09.2, shall be amended as follows:

**1.0 SPECIFICATIONS**

1. Refer to **Section 00500 General Conditions, Clause 4.4.1**, REVISE 'for a period of one year commencing from the date of acceptance by the Owner' to read 'for a period of twenty four months commencing from the date of acceptance by the Owner'
2. Refer to **Section 11287 Clause 2.10.5.9** REVISE 'CableFast' to 'Siemens Simatic Top'
3. Refer to Section 11287 Clause 1.5.6, ADDS,  
  
'(8) A minimum action spectra correction factor of 1.15 is to be applied when calculating the required dose of MP UV reactors.'

**2.0 QUESTIONS**

1. **Q: Section 00300 Schedule 2** is a separate UV system desired for the winter flows (6 MLD)?  
**A:** No.
2. **Q: Section 11287 Clause 2.8.9** – medium pressure lamps operate at approx. 800C – should the UV sensor temperature rating be adjusted accordingly? Is an external cooling system required with MP?  
**A:** UV Sensors installed on medium pressure reactors must be rated for the maximum allowable operating temperature inside the UV reactors.
3. **Q: Section 11287 Clause 1.5.6.6.a** – will a higher lamp aging factor be accepted with proper certificate?  
**A:** No.
4. **Q: Section 11287 Clause 2.10.1.1** – our UV system complies with IEEE519 harmonics without the need for K rated transformers – are standard step down transformers acceptable?  
**A:** No.
5. **Q: Section 11287 Clause 2.10.3.1** – is Nema 12 rating with fans acceptable for indoor location? Item 4 requires ventilation.  
**A:** No, the electrical panels shall be NEMA 4X rated.
6. **Q: Section 11287 Clause 2.10.5.1** – is it acceptable for the Contractor to provide the conductors between the ballast and transformer? They are set up to provide this custom length. Likewise, can the Contractor supply the data cabling between the LCP and reactor? This is standard cabling.

**A:** No, the SUPPLIER shall provide these cables.

- 7. Q: Section 11287 Clause 2.10.5.7** – Please explain a signal terminal housing enclosure – what is meant by this? Also, what is Class 1, 2 and 3 referring to? Is this an explosion proof area?

**A:** A “signal terminal housing enclosure” refers to the enclosure being sufficient to house all the I/O signal terminals and terminal strips for field wiring. It is otherwise known as a Field I/O Terminal Cabinet or Junction Box.

The Class 1, Class 2 and Class 3 are the classifications for remote-control, signaling and power limited circuits. Please refer to National Electrical Code (NEC), and Canadian Electrical Code (CEC) for the different classifications and their installation.

No this is not an explosion proof area.

- 8. Q: Section 11287 Clause 2.11.1** – Please confirm if there is 1 LCP to be supplied per reactor.

**A:** Please provide one LCP per reactor.

- 9. Q: Section 11287 Clause 2.12.6** – Please confirm if an Ethernet switch is to be supplied? Section 2.11.2.5.d identifies ProfiNet communications to the SCADA

**A:** Yes, an Ethernet is to be supplied. Ethernet connection is required to each LCP.

The changes, additions, and/or deletions contained herein are hereby made a part of RFP #2017-E372.09.2 Contract Documents as fully and completely as if the same were set forth therein.

All other terms and conditions shall remain unchanged.

**END OF ADDENDUM NO. 3.**