



## ADDENDUM 2 BID OPPORTUNITY 49-2006

### WINNIPEG WATER TREATMENT PROGRAM – SUPPLY OF ONSITE HYPOCHLORITE GENERATION EQUIPMENT

#### **URGENT**

**PLEASE FORWARD THIS DOCUMENT TO  
WHOEVER IS IN POSSESSION OF THE BID  
OPPORTUNITY**

ISSUED: April 10, 2006  
BY: Bill Richert, P.Eng.  
TELEPHONE NO. (204) 986-6053

**THIS ADDENDUM SHALL BE INCORPORATED  
INTO THE BID OPPORTUNITY AND SHALL  
FORM A PART OF THE CONTRACT  
DOCUMENTS**

Template Version: A20050506

---

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid Opportunity, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid may render your Bid non-responsive.

---

#### **PART A – BID SUBMISSION**

Replace: 49-2006\_Addendum\_1-Bid\_Submission with 49-2006\_Addendum\_2-Bid\_Submission. Form G2(R1) has been replaced by Form G2(R2).

#### **PART B – BIDDING PROCEDURES**

- Revise: B2.1 to read: The Submission Deadline is 4:00 p.m., Winnipeg time, April 20, 2006.
- Revise: B10.2(a) to read: For item 1.1 on Form N: Salient Features, the guaranteed average electrolyzer Salt consumption shall be the kg of Salt consumed per kg of chlorine generated, assuming a 0.8% sodium hypochlorite product and the minimum required WTP service water temperature as guaranteed in item 1.3 on Form N: Salient Features.
- Revise: B10.2(b) to read: For item 1.2 on Form N: Salient Features, the guaranteed average electrolyzer electrical power demand shall be the kW of electrical power demand per kg of chlorine generated, assuming a 0.8% sodium hypochlorite product and the minimum required WTP service water temperature as guaranteed in item 1.3 on Form N: Salient Features.

#### **PART E – SPECIFICATIONS**

##### **Section 11242**

- Add: 1.6.3 The piping and valving configuration between Contractor supplied equipment or skids, as shown on the Contract Drawings, may be modified, at the City's cost, to meet the design and safety requirements of the Contractor and Manufacturer.
- Add: 1.6.4 The Contractor shall be responsible for providing design guidelines for the installation of Contractor supplied equipment or skids, to ensure that all safety standards and concerns have been satisfied.
- Revise: 2.7.3.2.2 to read: All pumps shall be supplied with motor starters.
- Revise: 3.3.3.8.1 to read: Ambient WTP Service Water Temperature before heating, measured and recorded online.

- Revise: 3.3.3.8.2 to read: WTP Service Water Temperature after heating by heat exchanger (if required), measured and recorded online.
- Revise: 3.3.3.8.3 to read: WTP Service Water Temperature after blending with heated WTP service water downstream of tempering valve, measured and recorded online.
- Revise: 3.3.3.8.4 to read: Salt consumption, measured as the loss in stored Salt volume from the start to the end of each test.
- Revise: 3.3.3.8.5 to read: Total rectifier/generator system power consumption, measured and recorded hourly. The power consumption will be measured on the power supply of each rectifier/generator to an accuracy of  $\pm 0.5\%$  rated output.
- Revise: 3.3.3.8.6 to read: Sodium hypochlorite concentration, sampled, tested and recorded twice daily.
- Add: 3.3.3.8.7: Volume of 0.8% Sodium Hypochlorite produced, measured as the net gain in stored Sodium Hypochlorite volume plus volume of Sodium Hypochlorite consumed from the start to the end of each test.

### **Section 13205**

- Revise: 2.3.4.1.1 to read: Four (4) 50mm diameter suction pipes.

Clarification: With reference to clause 2.3.4.1.1: Drawing WJ-P0005 shows a single 50mm flanged pipe connection. The drawing is schematic and only shows the active 50mm pipe connections as required by the current design. The Contractor shall provide additional connections for future use as specified in clause 2.3.4.1.1.

### **Section 17110**

- Revise: 2.3.3 to read: The finish of interior enclosures shall be white or the same color as the exterior. Stainless steel panels may only have the back panel painted. Provide a switched fluorescent light fixture and a 120 VAC duplex convenience receptacle inside the enclosure.

### **Section 17130**

- Revise: 2.1.1.1 to read: Provide all DC power supplies as required for all instrument circuits. All circuits are to be powered from the marshalling panels. Power supplies to be Allen-Bradley, Siemens, Hammond, G.F.C. or approved equal, complete with an over-voltage protection module.