



196-2006 ADDENDUM 2

SUPPLY AND DELIVERY OF AERATION EQUIPMENT FOR THE NORTH
END WATER POLLUTION CONTROL CENTRE CENTRATE NITROGEN
REMOVAL FACILITY

ISSUED: May 5, 2006
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URGENT

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

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

Template Version: A20050301

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 9 of Form A: Bid may render your Bid non-responsive.

PART B – BIDDING PROCEDURES

B2.1

REVISE TO READ:

“The Submission Deadline is 4:00 p.m. Winnipeg time, May 17, 2006.”

B6.1.e

REVISE TO READ:

“Technical information including preliminary layout and section Drawings, and selection criteria, type, material and rating of manifold, header, and lateral piping (See B13), details to allow for design of tanks. AutoCAD versions of Drawings are available at the bidder’s request.”

PART E – SPECIFICATIONS

Section 11531 Clause 2.3.1

REVISE TO READ:

“Design the aeration system to achieve the minimum Standard Oxygen Transfer Efficiency (SOTE) for each sequencing batch reactor when operating at the most severe condition. The most severe condition is defined as the maximum standard oxygen transfer rate (SOTR), the minimum residual dissolved oxygen (DO), maximum ambient temperatures, and maximum mixed liquor temperatures. Exceed the following minimum SOTE in each sequencing batch reactor:

	SOTR (kgO ₂ /hr)	Minimum SOTE (%)	Water depth (from tank floor) (m)	Residual DO (mg/L)
Maximum Condition 2	1572 ⁽¹⁾	37.2	6.3	2.0
Average Condition 2	1361 ⁽¹⁾	37.7	6.3	2.0

(1) To be used for calculating air flow in Form E”

Section 11531 Clause 2.3.5

REVISE TO READ:

“The system shall be designed to require not more than 70 kPa at the flanged connection on the dropleg, above the liquid level, as indicated on the Drawings.”

Section 11531 Clause 2.4.2

REVISE TO READ:

“Select materials appropriate for the specified air, mixed liquor temperatures, and water depth.”

Section 11531 Clause 3.6.6

REVISE TO READ:

“With the assistance of the Installation Contractor, the Contractor shall conduct two test runs in one sequencing batch reactor tank. Test shall be conducted in whole tank; baffling will not be needed. Conduct tests at 100 percent of the design maximum air flow rate, ± 5 percent air flow. If one test fails, retest in the same tank that failed.”