



21-2006 ADDENDUM 4

WEST END WATER POLLUTION CONTROL CENTRE BIOLOGICAL NUTRIENT REMOVAL UPGRADE

URGENT

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

ISSUED: June 8, 2006
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**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 10 of Form A: Bid may render your Bid non-responsive.

PART B – BIDDING PROCEDURES

- Revise: B2.1 to read: The Submission Deadline is 12:00 noon Winnipeg time, July 13, 2006.
- Revise: B3.1 to read: Further to GC:3.1, the Contract Administrator will hold a Bidders' conference at the West End Water Pollution Control Centre from 9:00 AM to 12:00 noon on May 12, 2006 and from 10:00 AM to 12:00 noon on June 16, 2006.

PART D – SUPPLEMENTAL CONDITIONS

- Revise: D11.2 to read: The anticipated award date for this Bid Opportunity is September 15, 2006.
- Revise: D12.1 to read: The Contractor shall achieve critical stages of the Work in accordance with the following requirements:
 - (a) Ferric chloride system installed, commissioned, and operation by July 31, 2007.
- Revise: D13.1 to read: The Contractor shall achieve Substantial Performance by March 15, 2008.
- Revise: D14.1 to read: The Contractor shall achieve Total Performance by May 15, 2008.

PART E – SPECIFICATIONS

- Section 01055 Add Clause 1.5.2.3 Maintain surface drainage in groundwater recharge areas.
- Section 01060 Add Clause 1.4.3 Record any public noise complaints and modify construction activities that are causing excessive noise.
- Section 01500 Add Clause 1.29.4 Restore any disturbed areas with indigenous species that are well adapted to the project area.
- Section 01500 Add Clause 1.25.2 Record public traffic complaints and modify activities causing problems wherever possible.
- Section 02220 Add Clause 3.1.2.4 To reduce surface runoff from exposed work areas wet weather restriction will apply to construction.

Section 02220 Add	Clause 3.1.2.5 Implement and maintain erosion and sediment control measures.
Section 02220 Add	Clause 3.1.2.6 Avoid excavation and construction activities with the potential to release airborne particulates during dry and windy periods.
Section 02220 Add	Clause 3.3.3 Reduce excavation depths and cuts near wells and sensitive areas, where safe and feasible
Section 02220 Add	Clause 3.3.5 Cover and stabilize stockpiles of soil with erosion control material.”
Section 02220 Add	Clause 3.3.6 Contaminated soil must be disposed of in accordance with provincial requirements.
Section 02220 Add	Clause 3.5.3 Avoid dewatering in sensitive areas or near wells.
Section 02220 Add	Clause 3.5.4 Avoid discharging into areas prone to flooding and erosion when trench dewatering.
Section 02220 Add	Clause 3.6.2.2 Backfill and compact excavations as soon as possible and optimize the degree of compaction to minimize erosion
Section 05500 Add:	Add the following sentence to Clause 2.1.6.2: Coordinate location of davit with Contract Administrator prior to construction.
Section 06530 Revise:	Clause 2.4.2.2 to read: Colour: Match colour to Benjamin Moore Paint 2155-60 “Cream Yellow”.
Section 08360 Revise:	Clause 2.6.1 to read: Shop coat of rust inhibitor primer on galvanized and non-galvanized surfaces and operating mechanisms. Guides and bracket plates will be coated with a flat black prime paint. Manufacturer’s finish for door to be baked on polyester finish, colour: white.
Section 09900 Revise:	Clause 3.7.2.3.2 to read: Two coats alkyd enamel semi-gloss or acrylic DTM enamel. Acceptable product: Ecologic DTM by Cloverdale.
Section 11340 Delete:	Clause 2.6.4
Section 11340 Delete:	Clause 2.10
Section 11340 Add:	Clause 2.9.6 – Acceptable Products
	.1 Blacoh Model VSD-50FT-27 as supplied by Mequipco Ltd. Winnipeg, MB
	.2 US Gallon nominal capacity
	.3 Epoxy coated, carbon steel construction
	.4 Buna-N bladder
	.5 275 PSI (1925 kPa) working pressure rated
	.6 CRN numbered and stamped for Province of Manitoba, ASME coded, Section VIII, Div. 1
	.7 6" flange connections
	.8 Flow through, in-line design
	.9 Chargeable, air-side control

- Section 11824 Revise: Clause 2.1.2 to read: The thermal oxidizer is to be used for foul air treatment. Room air will be utilized as combustion air for the thermal oxidizer. The high temperature in the thermal oxidizer shall oxidize odorous compounds in the foul air.
- Section 11824 Revise: Clause 2.1.4 to read: Operating temperature range: 500°C to 800°C
- Section 11824 Revise: Clause 2.4.4 to read: Provide a control panel that shall include a burner safety system and local on/off push buttons with supervised safe burner operation at all times. The control panel shall be housed in a NEMA 4X control cabinet and shall be mounted to the structural steel base grid. The panel shall be completely pre-wired to terminal strips within the cabinet and ready for connection of main power supply and remote monitoring and control signals. The main power supply will be 120 VAC single phase. Remote control and monitoring signals from/to the DCS shall be as shown on P&ID Drawing LI3.06 and include remote burner start, remote burner stop, normally closed dry contact for thermal oxidizer fault, and local/remote status.
- Section 15110 Add: Clause 2.9 to read: Potable Water Hose Bibbs
- .1 Bronze body globe valve, renewable composition disc, threaded inlet, "garden hose" thread outlet, rating 2070 kPa water.
 - .2 Bronze or red brass, replaceable hexagonal disc, hose thread spout.
- Add: Section 15739 – Terminal Heat Transfer Units
- Section 15800 Revise: Clause 1.1.2 Replace "ad" with "and"
- Add: Section 15805 – Indoor Premanufactured Air Handling Units
- Section 15835 Revise: Clause 2.2.3.2 Replace "24 VDC" with "120 VAC"
- Section 15999 Add: Table 1.2 Air Handling Unit Schedule, all three (3) air handling units shall come complete with a cooling only wall mounted 24 VDC thermostat wired to condenser/cooling coil.

Section 15999 Add: New Schedule: 1.18 Motorized Damper Schedule

Tag	Manufacturer Model No.	Duct Size mm x mm (in x in)	Actuator Voltage	Remarks
F550-MD	Greenheck HCDR-250 316	250ø (10ø)	120/1/60	Serves F610-SF (Foul Air System)
F560-MD	Greenheck HCDR-250 316	250ø (10ø)	120/1/60	Serves F620-SF (Foul Air System)
F651-MD	Greenheck HCDR-250 316	350ø (14ø)	120/1/60	Serves Supernatant Wetwell (Foul Air System)
F661-MD	Greenheck HCDR-250 316	400ø (16ø)	120/1/60	Serves Thermal Oxidizer (Foul Air System)
F662-MD	Greenheck HCDR-250 316	400ø (16ø)	120/1/60	Serves By-pass Stack (Foul Air System)
H710-MD	Greenheck HCDR-250 316	300ø (12ø)	120/1/60	Serves Sludge Storage Tanks (Foul Air System)
T111-MD	Greenheck HCDR-250 316	150ø (6ø)	120/1/60	Serves DAF Thickener 1 (Foul Air System)
T121-MD	Greenheck HCDR-250 316	150ø (6ø)	120/1/60	Serves DAF Thickener 2 (Foul Air System)
H642-MD	Greenheck SEVCD-33	800x600 (32x24)	120/1/60	Serves H640-AHU (O/A)
H644-MD	Greenheck SEVCD-33	300x300 (12x12)	120/1/60	Serves H640-AHU (R/A)
N/A	Greenheck HCDR-250 316	700ø (28ø)	120/1/60	Serves S638-EF
N/A	Greenheck HCDR-250 316	700ø (28ø)	120/1/60	Serves S639-EF
S627-MD	Greenheck SEVCD-33	1200x900 (48x36)	120/1/60	Serves S750-MUA (To stack)
S625-MD	Greenheck SEVCD-33	1200x900 (48x36)	120/1/60	Serves S750-MUA (To by-pass duct)
S684-MD	Greenheck SEVCD-33	300x300 (12x12)	120/1/60	Serves S780-AHU (O/A)
S686-MD	Greenheck SEVCD-33	450x250 (18x10)	120/1/60	Serves S780-AHU (R/A)
S690-MD	Greenheck SEVCD-33	300x300 (12x12)	120/1/60	Serves S780-SF
T605-MD	Greenheck HCDR-250 316	750ø (30ø)	120/1/60	Serves T600-MUA (To stack)
T603-MD	Greenheck HCDR-250 316	750ø (30ø)	120/1/60	Serves T600-MUA (To by-pass stack)
T622-MD	Greenheck SEVCD-33	400x400 (16x16)	120/1/60	Serves T610-AHU (O/A)
T624-MD	Greenheck SEVCD-33	600x300 (24x12)	120/1/60	Serves T610-AHU (R/A)

- Notes:
1. "MD1" and "MD" are used interchangeably throughout drawings and specifications.
 2. S638-EF and S639-EF motorized dampers will re-use existing tag numbers.

Section 17213 Revise: Clause 2.8.1 to read: Pneumatic Actuators – Fisher

Section 17213 Revise: Clause 2.8.2 to read: Electro-Mechanical Actuators – Rotork

Section 17600 Replace: DCS Input/Output Index
Section 17700 Replace: Instrument Index
Replace: Section 17702 – Instrument Loop Drawings

DRAWINGS

Clarification Drawing TM2.02: Air Compressors T112 and T122 are supplied as part of the Dissolved Air Flotation Vendor package as indicated on Drawing LI4.02 and LI4.03 and as specified in Section 11714.

Replace: Drawing LI3-06-R0 with Drawing LI3-06-R1
Drawing LI4-02-R0 with Drawing LI4-02-R1
Drawing LI4-03-R0 with Drawing LI4-03-R1
Drawing LM4-07-R0 with Drawing LM4-07-R1
Drawing LM4-08-R1 with Drawing LM4-08-R2
Drawing LM4-09-R0 with Drawing LM4-09-R1
Drawing HM2-01-R2 with Drawing HM2-01-R3
Drawing HM2-02-R2 with Drawing HM2-02-R3
Drawing HM3-01-R2 with Drawing HM3-01-R3
Drawing SA5-04-R0 with Drawing SA5-04-R1
Drawing SM1-01-R1 with Drawing SM1-01-R2
Drawing SM4-02-R0 with Drawing SM4-02-R1
Drawing SS2-02-R1 with Drawing SS2-02-R2
Drawing SS3-05-R1 with Drawing SS3-05-R2
Drawing TA1-01-R1 with Drawing TA1-01-R2
Drawing TA1-02-R1 with Drawing TA1-02-R2
Drawing TM2-02-R1 with Drawing TM2-02-R2
Drawing TS2-05-R1 with Drawing TS2-05-R2