



963-2010 ADDENDUM 3

WEST END WATER POLLUTION CONTROL CENTRE HVAC REPLACEMENT

URGENT

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

ISSUED: February 14, 2011
BY: Art Gossen, P.Eng.
TELEPHONE NO. (204) 774-7859

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

Template Version: A20070419

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 has been revised to 12:00 noon Winnipeg time, February 17, 2011

DRAWINGS

**Replace: 963-2010_Drawing_1-0103V-P0001-001-R00 with 963-2010_Drawing_1-0103V-P0001-001-R01
963-2010_Drawing_1-0103V-P0004-002-R00 with 963-2010_Drawing_1-0103V-P0004-002-R01
963-2010_Drawing_1-0103V-E0021-002-R00 with 963-2010_Drawing_1-0103V-E0021-001-R01**

Regarding all of the above drawings;

-U600-TE1/TT1 and U610-TE1/TT1 are non-packaged

-U786 7kW heater required power from electrical panel within Admin. Building Electrical room.

ADD: 963-2010_Drawing_1-0103S-E0015-001, Note 8 & 9

8. Refeed relocated condensing unit for the control room air conditioner from it power source within the electrical room. No cable splices allowed.
9. Provide a 2-pole 208V electrical feed to the ductless split air conditioner and condensing unit from a 208V electrical panel located in the adjacent electrical room.

SPECIFICATIONS AND SCHEDULES

Add: Specification 22 13 17 – Drainage Waste and Vent, Clause 2.3,

2.3 Floor Drains (for Primary Clarifier Intake Plenum)

- .1 Floor drain, Dura-Coated cast iron body with bottom outlet, adjustable heavy-duty cast iron round strainer.
- .2 Approved Products; Zurn ZX-211-A or approved equal in accordance with B6.

Revise: Specification 23 37 20 – Louvres Intakes & Vents,

- Clause 2.3.4 to read:** Frame, head, sill and jamb: 100mm deep formed 304 stainless steel, minimum 1.4mm thick with approved caulking slot, integral to unit.
- Clause 2.3.7 to read:** Screen: 19 mm intake mesh, 2 mm diameter wire 304 stainless steel birdscreen or interior face louvers in formed U-frame.
- Clause 2.4.4 to read:** Frame, head, sill and jamb: 100mm deep formed 304 stainless steel, minimum 1.4mm thick with approved caulking slot, integral to unit.
- Clause 2.4.7 to read:** Screen: 19 mm intake mesh, 2 mm diameter wire 304 stainless steel birdscreen or interior face louvers in formed U-frame.

Add: Specification 23 51 00 – Breaching Chimneys & Stacks, Clause 2.5,

2.5 Fibreglass Ductwork, Where Indicated on Drawings

- .1 Ductwork and fittings shall be constructed of filament wound fibreglass reinforced plastic, as manufactured by Perry Fiberglass product, Inc. Manufactured per industry standards SMACNA, ASTM and PS 15-69 minimums. Ductwork and fittings shall be single wall (20S), low smoke Class 1 duct. Designed for a minimum of 2.5kPa (10 inch w.c.) pressure and 2.5kPa (10 in. w.c.) vacuum.
- .2 The resin shall be 'Perry' 20S low smoke/Hetron FR992. Duct and fittings shall meet the Flame and Smoke requirements (25 and 50 respectively) of Class 1 duct per UL 181 and UMC 10-1, and ASTM E-84. Liners and/or coatings are not acceptable.
- .3 Field joints shall be butt-type wet lay-up method. Flanged joints shall be provided where indicated on the Drawings.
- .4 Ductwork shall be round, rectangular or oval with complementary fittings constructed of the same material as the duct. Reducers shall be eccentric type installed so as to allow drainage of the duct system.
- .5 Duct wall thickness:
 - .1 For diameters from 2 inch to 20 inch, 0.125 inch min.
 - .2 For diameters from 21 inch to 36 inch, 0.187 inch min.
 - .3 For diameters from 37 to 60 inch, 0.250 inch min.

Add: Specification 25 30 02 – Field Control Devices, Clause 2.5.2

- .6 S600-TSL2: 12°C
- .7 S650-TSL2: 12°C

Add: Specification 23 82 39 – Unit Heaters, Clause 2.3

2.3 Electric Heating Coil (U786)

- .1 Electric Heating Coil U786 shall be have a heating capacity of 7kW with power supply of 575V/3P/60Hz. The unit shall fit in a duct with a cross section 600mm by 250mm. The unit shall be supplied with all safety and operational controls required (including a controls transformer and low voltage space thermostat).
- .2 Approved Products; E.H. Price, Thermolec, or approved equal in accordance with B6.

Add: Specification 23 82 39 – Unit Heaters, Clause 2.4

2.4 Split Wall Mounted Air Cooling Unit (U760)

- .1 Capacity of 7.0 kW (24,000 BTH), R-410A Refrigerant, Auto Van & Swing Mode with 3-Notch Fan Speeds, Auto Restart after Power Failure, Factory Installed Ultra-Low Ambient (-40°C), Refrigerant Pre-Charged, 2-Year Parts Warranty, 7-Year Compressor Warranty. Power supply 208-230V/1P/60Hz.
- .2 Approved Products; Mitsubishi Mr. Slim PKA-Series or approved equal in accordance with B6.

Requests For Information (RFIs)

RFI S2

S2-1Q RFI S1-1A revises liner profile and gauge but does not reference the finish. DWG LS-2.1 specifies liner to have Barrier Series QC273 Bone White Finish. Barrier Series is vinyl paint finish typically used on pulp mills. it is available in QC1508 Bone White which is not a match to QC273. The minimum purchase would be 20,000 lbs. This project requires approximately 1,000 lbs and does not justify the minimum purchase. Vicwest Steel stocks CL508 in VW6069 Bone White. This is a standard paint finish not a Barrier finish. Please advise if this is acceptable. Deck finish specified is ZF075 which is a light gauge finish to be exposed to the weather.

S2-1A The CL508 cladding with a VW6069 Bone White finish is acceptable.

S2-2Q RFI 1-2A references DWG LS-2.1 for information regarding the exterior profile and colour but nothing is indicated. What is the existing profile and colour? Without this information we cannot determine pricing. For example is it Barrier Series? Is it a special or non-stock colour? What gauge is it? Is it an 1-1/2" dp. profile? is it an exposed or concealed fastener profile?

S2-2A It appears from that the existing exterior of the building is split faced concrete block, so there is no need to match cladding. The cladding for the addition is to be CL6025-SR, 24 ga. vertically installed with exposed fasteners, finish to be WeatherX (or equal) with colour chosen by the owner from the standard colour chart.

RFI M3

M3-1Q Is disposal of the demoed equipment by the contractor or is the equipment returned to the City?

M3-1A The City has first right of refusal on all equipment but we do not anticipate a great deal of requests from the City. The general rule will be 'if it costs more to disassemble and reassemble an item than it will be demolished and removed'.

- M3-2Q** **Area P – Primary Clarifiers, Drawing PM2.4 – note 8. Please provide material specifications for teh floor drains located in the intake plenums.**
- M3-2A See specification added in this addendum.
- M3-3Q** **Drawing HM1.8 – note 11.
Where are the condensate lines being relocated to?**
- M3-3A As required, to allow for new platform installation. We suggest the north side of the same column they are currently attached to.
- M3-4Q** **Drawing HM1.8 – note 11.
What size are these lines?**
- M3-4A To match existing.
- M3-5Q** **In addendum 1, it says that stainless steel ducting shall conform to SMACNA HVAC Duct Contruccion Standards. Is this revising notes 23 31 13.01 2.8.4 and 5, the thickness of joints? So now it is not to be SMACNA Industrial Duct Construction?**
- M3-5A Ducting construction shall conform to SMACNA Industrial Duct Construction.
- M3-6Q** **Note 23 31 13.01 2.8.3 asks for No. 3B finish on the stainless steel ductwork. This finish is rare and hard to come by from suppliers. No. 2B finish however is easily accessible and much more cost effective.**
- M3-6A A 2B finish is acceptable.