



21-2006 ADDENDUM 1

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: May 11, 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

Delete: B16.4

PART D – SUPPLEMENTAL CONDITIONS

Revise: D11.2 to read: The anticipated award date for this Bid Opportunity is July 21, 2006.

PART E – SPECIFICATIONS

Section 01500 Revise: Clause 1.12.3 to read: The Contractor shall be responsible for super chlorinating the Site's secondary effluent for the purpose of the watertightness testing as indicated in Section 03300. Provide the following approximate volumes of sodium hypochlorite solution (13% as chlorine) each time the basins are tested for watertightness:

Add: Section 06400 – Millwork

Add: Section 09111 – Metal Stud System

Add: Section 09250 – Gypsum Board

Add: Section 09510 – Acoustic Tile System

Section 11055 Clarification of Page 6 of 14: DSUB / FSU / ML / PE / RAS / TBS / TWAS / WAS piping Grooved joints to AWWA C606 are acceptable for Fittings and Appurtenance

Section 11521 Delete: Clause 2.6.1

Section 11521 Revise: Clause 2.6.2 to read: Provide a hydraulic drive unit, a planetary gear/intermediate gear reduction unit (if required), and a final reduction unit enclosed in a turntable base.

Section 11521 Add: Clause 2.6.13: Provide a means of indicating of the position of the rake arms at the centre platform (i.e., at drive mechanism).

- Section 11521 Add: Clause 2.6.14: Provide heat tracing and insulation for the portions of the hydraulic drive unit to ensure adequate operation at -40°C. This includes heat tracing and insulating the hydraulic reservoir and the pressure safety valve. A block heater can be substituted for heat tracing; insulation is still required. Both alternatives shall include a thermostat to control the oil temperature.
- Section 11521 Add: Clause 2.6.15: Design the entire drive mechanism, including turntable, to be serviced without removal of the fermenter tank cover.
- Section 11521 Add: Clause 2.7.6: Motors shall be sized for 150 percent of the continuous operating torque.
- Section 11824 Revise: Clause 1.7.1 to read: Provide warranty in accordance with the General Conditions GC13 but for a period of three years on both the thermal oxidizer and the exhaust stack.
- Section 15999 Add: Clause 1.2: Air Handling Unit Schedule

Tag	H640-AHU
Location	Headworks Lower Level
Area Served	Headworks Control Room
Type	Air Purification System
Manufacturer	Circul-Aire
Model	A.P.S.-1000-H
Volume, L/S (cfm)	378 (800)
ESP, Pa (in. wg.)	373 (1.5)
Fan Type	Belt Driven
Fan Speed, (rpm)	1700
Motor Power, kW (HP)	0.75 (1.0)
Power Supply	600/3/60
Minimum Outdoor Air, L/S (cfm)	76 (160)
Heating Section	
Type	Electric Resistance w/ SCR (full modulation)
Heating Output, kW	6.0
Temperature rise °C (°F)	55.5 (100)
Arrangement	Horizontal Floor Mounted
Filter Sections	
Pre-filter	50mm 30% filter
1 st Stage	MULTI-MIX [®] MM-1000
2 nd Stage	MULTI-MIX [®] MM-1000
Physical Data	
Overall Length mm (inch)	1803 (71.0)
Overall Width mm (inch)	686 (27.0)
Overall Height mm (inch)	762 (30.0)
Overall Weight kg (lb)	329 (725)
Remarks H641-CU will be connected to this unit to provide cooling via DX coil located in duct.	

Section 15999 Add: Clause 1.14: Condensing Unit Schedule

Tag	H641-CU
Unit Served	H640-AHU
Location	Headworks Lower Level
Manufacturer	Aaon
Model	CA 01-02
No. of Cond. Fans	1
Fan & Motor – RPM	1050 / 875
No. of Compressors	1
Compressor Type	Scroll
Capacity – kW (MBH)	7.9 (27.0)
Efficiency – EER (COP)	11.9 (3.5)
Refrigerant Type	R407
Power Supply	208/3/60
Elec. Loads – FLA/MCA/MOP	11.4/13.4/20
Depth – mm (inch)	511 (20.13)
Width – mm (inch)	1273 (50.13)
Height – mm (inch)	826 (32.5)
Weight - kg (lbs)	87 (192)

Section 16519 Add: New Clause 2.3

2.3 Quantity

2.3.1 Provide a total of 69 new exit lights in existing facility. 64 units to be installed. Five Exit Lights to be turned over to the Contract Administrator.

2.3.2 Exact exit light locations to be confirmed by Contract Administrator on-site.

Section 16519 Revise: Clause 3.1.1 to read:

3.1.1 Install the specified number of new exit lights at the following locations:

3.1.1.1 Administration Area

Lower Level

- Exit door to east stair: 1
- Exit door to west stair: 1
- West link door to Utility Area: 1
- East link door to Admin. Area: 1

Upper Level

- Exit door to east stair: 1
- Exit door from east stair to exterior: 1
- Corridor main entrance exit (double face): 1
- Exit doors from Admin. Area to link: 3
- Exit door in west stairwell exit: 1

3.1.1.2 Utility Area

Lower Level

- Exit to east stair: 1
- Exit to north stair from tunnel: 1

Upper Level

- Exit to east corridor to link: 1
- Exit form south east stair to exterior: 1
- Exit door from corridor to Workshop: 1

Exit from north stairwell to exterior: 1
Exit from south door in Blower Room: 1
Exit from south Electrical Room to Generator Room: 1
Exit from Generator Room to exterior: 1
Exit from south corridor to exterior: 1

Mezzanine

Exit from Mechanical Room: 1
Unassigned area exit: 1
Mezzanine corridor to stair: 1

3.1.1.3 Headworks Area

Lower Level

Exit to south stairwell: 1
Exit to west Gallery: 2
Exit to Primary Pump Room: 2

Upper Level

Exit doors from Sludge Truck Bay, south and north: 2
Exit from Sludge Truck Corridor, north east: 1
Exit doors from Screen Room, north east stair: 2
Exit from Control Room Corridor to exterior: 1
Screen Room to Control Room Corridor (double face): 1
Exit from south stairwell: 1
South exit door from Screen Room: 1
Exit from west side Screen Room to roof: 1
Exit from Grit Truck Garage to exterior: 1

3.1.1.4 Primary Clarifier

Lower Level

Exit to south stair: 1
West exit to Secondary Gallery: 2

Upper Level

Exit in south stairwell: 1
Exit from north door to roof: 1
Exit from west door to roof: 1
Exit from east door to roof: 1

3.1.1.5 Secondary Clarifier

Lower Level

Exit to centre stair: 1
Stair to Secondary Lab: 1
Gallery exit from Secondary to Bioreactor Gallery: 1
Exit stair to upper floor: 1
Exit stair west end: 1

Upper Level

Exit from test lab to exterior: 1
Exits from Control Room to roof: 2
Exits from Electrical Room to roof: 2
East exit to Exterior: 1
West exit to Exterior: 1

3.1.1.6 Primary Sludge Fermenter Building

Lower Level

Stairwell to entry vestibule and exterior: 1

3.1.1.7 DAF Thickener building

Lower Level

West exist to vestibule: 1
West exit to Sludge Truck Bay: 1
East exit to exterior: 1

Mezzanine Level

South exit to exterior: 1

DRAWINGS

Replace: Drawing HE1-01-R0 with Drawing HE1-01-R1

Drawing HE2-01-R0 with Drawing HE2-01-R1

Drawing HM0-01-R0 with Drawing HM0-01-R1

Drawing HM2-01-R0 with Drawing HM2-01-R1

Drawing HM2-02-R0 with Drawing HM2-02-R1

Drawing HM3-01-R0 with Drawing HM3-01-R1

Drawing LM4-08-R0 with Drawing LM4-08-R1

Add: Drawing HS2-01-R0

Drawing HS2-02-R0

Drawing HA1-01-R0