



# 567-2008 ADDENDUM #1

## NEW PUCK CHLORINATION AND CARBON DIOXIDE SYSTEMS – VARIOUS POOLS

### **URGENT**

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

ISSUED: July 29, 2008  
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**THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID OPPORTUNITY AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS**

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

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### **PART D – SUPPLEMENTAL CONDITIONS**

Add: D2.2(a) (iv) Supply and install new 120V 20A circuit for puck feeder system, complete with new 20A circuit breaker and all labour and materials required.

Page numbering on some forms may be changed as a result.

### **PART E – SPECIFICATIONS**

- Revise: E2.2 to read: All piping to be schedule 40 PVC. Piping to be labelled per E6.3.
- Revise: E2.6(a) to read: This location will require three (3) puck chlorination systems, one for the pool tank, one for the hot tub, and one for the outdoor wading pool.
- Add: E2.6(d) Wading pool volume XXX. Use puck feeder model # 1030E.
- Add: E2.6(e) Supply and install the following equipment at this location: Main Pool Tank – puck feeder and carbon dioxide flow control; Hot Tub – puck feeder and carbon dioxide flow control; Wading Pool – puck feeder, carbon dioxide flow control and water chemistry monitoring and control system. Wading pool control system to be mounted on a plastic backboard to match existing.
- Add: E2.6(f) Supply and install cradle-type wall restraint(s) for carbon dioxide tanks. Restraints should be capable of holding 5-6 tanks. Tanks to be supplied by the City.
- Add: E2.6(g) Supply and install blank fillers in Panel D (approximately 4 required).
- Revise: E2.7(c) to read: This location has two pool filter loops. Puck chlorination and CO2 systems shall be installed so that the two systems can operate with both pool loops open, and they should also have the ability to be isolated from either loop.
- Add: E.2.7(d) Chlorination booster pump to be upgraded to a high pressure pump. Standard of Acceptance to be Nemato Corp., National Line, Accu-Tab series.
- Add: 2.7(e) Contractor may re-use the cradle-type wall restraints at this location for other pools in this contract. Six (6) restraints to be left at this location.

- Add: 2.8(c) Chlorination booster pump to be upgraded to a high pressure pump. Standard of Acceptance to be Nemato Corp., National Line, Accu-Tab series.
- Revise: 2.9(d) to read: Supply and install cradle-type wall restraint to hold six (6) carbon dioxide tanks. Tanks to be supplied by the City. City will supply and install wooden platform to provide a level floor surface.

Add: **E5. ELECTRICAL**

- Add: E5.1 Wiring to be run in EMT conduit, minimum 21mm ( $\frac{3}{4}$ " ) diameter.
- Add: E5.2 Wiring in conduit to be 600V single conductor RW90 with cross link polyethylene 90 degree C insulation. Minimum size #12 AWG.
- Add: E5.3 Conduit shall be adequately supported, and shall not be supported with tie wire or perforated strapping.
- Add: E5.4 Contractor to supply and install a pump disconnect, and a new dedicated 120V circuit and receptacle for the booster pumps. Disconnect and receptacle to be installed adjacent to the puck feeder system and labelled as per E6.1.
- Add: E5.4(a) Accu-Tab model 1030E – dedicated 15A 120V circuit, disconnect, 15A duplex receptacle, and circuit breaker to suit existing panels;
- Add: E5.4(b) Accu-Tab model 3070AT and model 3140AT – dedicated 20A 120V circuit, 20A duplex receptacle, and circuit breaker to suit existing panels.
- Add: E5.4(c) New circuit at each location to be fed from a nearby panel, as discussed and selected during the site investigation meeting on July 24, 2008. Contractor to type up a revised panel directory and install it in front of the existing directory.
- Add: E5.6 Contractor to also install a 15A 120V duplex receptacle for the booster pump relay. Receptacle to be installed adjacent to the puck feeder system, and fed from the water monitoring and control system. Label as per E6.1.
- Add: E5.7 Prior to energizing, megger the new circuit with a 500V instrument.
- Add: E5.8 System grounding and bonding shall be as per the current edition of the Canadian Electrical Code, the current edition of the CSA, and all local codes and bylaws.
- Add: E5.9 At no time will the Contractor leave any energized electrical equipment or devices open or exposed without having qualified electrical personnel working on or guarding the exposed electrical components.
- Add: E5.10 All electrical work shall be carried out by qualified, licensed electricians or apprentices. Employees registered in a provincial apprenticeship program shall be permitted, under the direct supervision of a qualified licensed electrician, to perform specific tasks – activities permitted shall be determined based on the level of training attained and the demonstration of ability to perform specific duties.

Add: **E6. EQUIPMENT IDENTIFICATION**

- Add: E6.1 Identify new disconnect with panel and circuit number, and equipment name (ie: Chlorine Puck Feeder System). Identify new duplex receptacles with equipment name (ie: Chlorine System Booster Pump, Chlorine System Strat Controller). Use lamacoids or durable vinyl labelling suitable for a humid chlorine environment.

- Add: E6.2                    Supply and install one (1) minimum 8"x10" plastic or metal sign at each location as follows: "Caution: Compressed Gas, Carbon Dioxide". Provide sample for Contract Administrator approval.
- Add: E6.3                    All water piping shall be identified at 10'-0" intervals with a blue band, the word "CHLORINE", and directional arrows.
- Add: **E7.            TESTING, COMMISSIONING, TRAINING**
- Add: E7.1                    All systems shall be completely tested to ensure that the system and each component in it performs as intended.
- Add: E7.2                    Provide 1 hour of training per location to City of Winnipeg personnel in the operation and maintenance of the new equipment.