



(This Addendum Consists of 3 Pages)

**Addendum No. 1**

Contract 2010-11

Installation of the Phase 1B Membrane Upgrades

**Date: February 26, 2010**

**File No. MCG 14526.2**

**To: All mandatory site visit attendees**

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Please confirm your receipt of **Addendum 1** by contacting Burnside by fax (705) 446-2399 or email to [sgendron@rjburnside.com](mailto:sgendron@rjburnside.com).

Please make the following changes to the Tender Document and include this form with your Tender.

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- Item 1 Membrane Sinking Cage Modifications** – The following draft instructions for modifications to the cassettes were received from GE Water, and are included for the Contractor's information:
- 1- Remove cassette from tank and disassemble cassette from sinking cage. Discard 500A cassette.
  - 2- The contractor needs to cut the upper bracket which the cassette are bolted to (it is welded to the frame and it is not shown on the attached drawing).
  - 3- Drill 11/16" hole in 8 places to mount the new angles (detail 7 and 8 on drawing 200406-F-047 sheet 3) to the frame with the hardware provided as per assembly drawing # 200406-F-047 sheet 1. New cassettes will be bolted to these angles.
  - 4- Unscrew the lower 3/4" plate which hold the sides together and install spacer (detail 3 on drawing 200406-F-047 sheet 2) between the frame and the plate as per assembly drawing # 200406-F-047 sheet 1.
  - 5- Uncrate new 500C cassette and bolt into sinking cage.
  - 6- Unscrew the old plate which support the hoses on top of the cassette and screw the new plate (detail # 6 on 200406-F-047 sheet 3) as per assembly 200406-F-047 sheet 1.
  - 7- Install new hoses on the cassette.
  - 8- Lower cassette into tank and connect hoses.
  - 9- Repeat

- Item 2**      **Standard Working Day** – The standard working day will be 7:00 am to 6:00 pm with some limited flexibility.
- Item 3**      **Installation of new membranes** – Two new membranes (supplied with modified cages) are to be installed into the two open slots before replacing any of the existing membranes.
- Item 4**      **Safety Harnesses** – Contractors are to provide their own safety harnesses.
- Item 5**      **Supply of associated parts** – The following associated parts will be supplied by GE Water: the PVC piping on top of the membrane cassettes, the valves and hoses required for the two new cassettes, the SS spools for the new cassettes at the header, the required hoses and fittings to mate the new 500 C cassettes with the existing cam lock system.
- Item 6**      **In-Plant Storage of Membranes** – The first nine membrane cassettes should be stored in shipping crates, and all membrane cassettes are to be stored in the staging areas (concrete apron/walkway) of the plant only. The Contractor is permitted to operate the plant crane during storage procedures and installation but will be fully responsible for the operation of the crane and any incidental damage that is caused.
- Item 7**      **Membrane Cassette Delivery Arrangements** – The Contractor is to arrange and coordinate membrane delivery with FreightLine Carrier Systems Inc (contact Rod at 905-315-8788). Payment for delivery is to be invoiced directly to the Township by Freightline.
- Item 8**      **Welding** – GE Water advises that welding the angle which support the cassettes is acceptable, however ¼" fillet weld all the around the angle is required.
- Item 9**      **Site Facilities** – The plant facilities will be available to the Contractor under the conditions that they are kept tidy and do not interfere with the operations staff.

**Item 10**      **Project Contacts** – Mr. Raymond Knuff will be the main contact for operations staff and Township related items. Bob Mayberry/Steve Gendron (RJB) will be the main point of contact for any contract, engineering or supplier questions. Questions for GE Water will be forwarded by RJB to GE Water.

**Item 11**      **Membrane Disposal** – The Township may elect to keep at least one membrane for use in the sludge thickener, and this action will be completed by operations staff. All remaining membranes are to be disposed of by the Contractor.

I have read the foregoing Addendum and have considered it in my tender.

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Tenderer's Name

Signature

Date