

August 8, 2018

Dear Sir:

Attached is Addendum No. 2 dated August 8, 2018 to the Specifications for The Manitoba Water Services Board Contract No. M.W.S.B. 1432, South Central District Water Co-Op (SCDWC) - Manitou Pump Station Upgrades. Please verify receipt of this Addendum for our records by fax to (204) 726-6290.



**ACKNOWLEDGEMENT OF RECEIPT OF ALL ADDENDUMS
MUST BE INCLUDED IN THE TENDER SUBMISSION.**

Failure to include acknowledgement shall cause the tender to be rejected. If Tender is submitted before Addendum is issued, the Board will accept a faxed acknowledgement prior to the tender closing.

Yours truly,

R. Lytle
Construction Manager

The Manitoba Water Services Board
Unit #1A - 2010 Currie Blvd.
Brandon, MB R7B 4E7

Dear Sir:

We have received Addendum No. 2 dated August 8, 2018 to the Specifications for The Manitoba Water Services Board Contract No. M.W.S.B. 1432, South Central District Water Co-Op - (SCDWC), Manitou Pump Station Upgrades

Yours truly,

Company

Per

THE MANITOBA WATER SERVICES BOARD

CONTRACT NO. M.W.S.B. 1432

**SOUTH CENTRAL DISTRICT WATER CO-OP (SCDWC)
MANITOU PUMP STATION UPGRADES**

ADDENDUM NO. 2

To the tender documents for the South Central District Water CO-OP (SCDWC), Manitou Pump Station Upgrades

August 8, 2018

PRECEDENCE

This addendum forms an integral part of the specifications describing all aspects of the work and is to be read in conjunction therewith.

SCOPE

The purpose of this addendum is to amend the following sections of the Tender Documents:

1.1 SECTION 01 00 10 – SPECIAL PROVISIONS

- .1 Revise Item 2.4 DISTRIBUTION PUMP #4 VFD
 - .1 The new VFD for DP-4 shall be a 600 V 3-phase, **Nema 12** Enclosure for installation inside the Office/Electrical room, or **Nema 4X** if located in the process area.
 - .1 The owner's preference is the Office/electrical room mounted on a panel or supports in front of the viewing window.
 - .2 Standard of Acceptance Aquavar **IPC**
 - .2 Controls for the VFDs shall be as follows:
 - .1 **The two exiting VFDs for DP-1 and DP-2 shall operate in tandem; lead-lag-alternating with an upper pressure setpoint of ~60 psi.**
 - .2 **The existing VFD for DP-3 and the new VFD for DP-4 shall operate in tandem: lead-lag-alternating with a lower pressure setpoint of ~57 psi.**
 - .3 Wiring and programming to be provided so the VFDs communicate and operate in coordination.
 - .4 New VFD shall be complete with filters mounted in Nema 3R enclosures for process area and Nema 1 enclosures for Office/Electrical room location.
 - .3 New VFD shall be complete with one stainless steel pressure transducer with 0-150 psi calibrated range 4-20 mA output.

- .4 New DP-4 pump will be a Grundfos 60S50-7 60 Hz, 5HP, 3-phase 600V or approved equal with same pump curve.

1.2 SECTION 26 29 10 – MOTOR STARTERS TO 600V

- .1 Revise Item 2.2.17 Minimum Standard of Acceptance:
 - .1 Aquavar IPC or approved equal. Must be able to communicate and control with existing VFDs.

END OF ADDENDUM #2