

Change Order

No. 2

Date of Issuance: 9/18/2020

Effective Date:

Project: Tropical Farms ROWTP
Membrane Replacement

Owner: Martin County
Board of County
Commissioners

Owner's Contract No.: RFB#2019-3162

Contract:

Date of Contract: 1/24/2020

Contractor: Aerex Industries, Inc.

Engineer's Project No.: 044110180

The Contract Documents are modified as follows upon execution of this Change Order:

Description:

Upon completion of unloading membrane elements from Train A, additional pressure vessels were identified to require replacement beyond the inspection report produced by Protec in 2019. The pressure vessels degrade without exterior indications, such as leaking, and present a safety hazard to staff and vulnerability to operations. As such, MCU desires to replace all pressure vessels with new.

See attached Proposal from Aerex Industries, Inc. for the full Scope of Change Order Number 2.

Attachments (list documents supporting change):

Proposal from Aerex Industries, Inc. dated 9/1/2020

CHANGE IN CONTRACT PRICE:

Original Contract Price:

\$ 939,658.00

[Increase] [Decrease] from previously
approved Change Orders:

\$ 3,604.19

Contract Price prior to this Change Order:

\$ 943,262.19

[Increase] of this Change Order:

\$ 325,103.03

Contract Price incorporating this Change

\$ 1,268,365.22

CHANGE IN CONTRACT TIMES:

Original Contract Times: ☐ Working days ☒ Calendar days

Substantial completion (days or date): 7/22/2020

Ready for final payment (days or date): 8/21/2020

[Increase] [Decrease] from previously approved Change
Orders:

Substantial completion (days): 105 days

Ready for final payment (days): 105 days

Contract Times prior to this Change Order:

Substantial completion (days or date): 11/4/2020

Ready for final payment (days or date): 12/4/2020

[Increase] [Decrease] of this Change Order:

Substantial completion (days or date): 157

Ready for final payment (days or date): 157

Contract Times with all approved Change Orders:

Substantial completion (days or date): 4/10/2021

Ready for final payment (days or date): 5/10/2021

RECOMMENDED:

By: Nico Blake, P.E.
Engineer (Authorized Signature)

Date: 9-18-20

ACCEPTED:

By: [Signature]
Owner (Authorized Signature)

Date: 9/22/20

ACCEPTED:

By: [Signature]
Contractor (Authorized Signature)

Date: 09/21/2020

Approved by Funding Agency (if applicable):

Date:

EJCDC C-941 Change Order

Prepared by the Engineers Joint Contract Documents Committee and endorsed by the Construction Specifications Institute.

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Engineer: Nick Black, P.E., Kimley-Horn
Owner: Martin County
Project Name: Tropical Farms ROWTP Membrane Replacement
Job No: RFB2019-3162
Aerex Project No: JMS19138
Aerex Contact: Montroe Hopkins
Date: September 1, 2020

PROPOSAL - REQUEST FOR CHANGE ORDER

Proposal No.: 004a
Reference: Cost to Replace 185 Additional Pressure Vessels

Change in Scope / Justification:

Description:

- Replace 185 additional pressure vessels (7 pressure vessels were included in original scope of supply for a total of 192 total replacement)

TABLE 1.0 - Cost Breakdown:

Item No.	Description	Qty	Unit Cost	Line Item Cost	Prime Overhead @ 10%	Subtotal
1	Pressure Vessels 4x3" Ports	90	\$887.00	\$79,830.00	\$7,983.00	\$87,813.00
2	Pressure Vessels 3x3" Ports	95	\$855.00	\$81,225.00	\$8,122.50	\$89,347.50
3	Pressure Vessel Packaging Material (32 Vessels per Base)	6	\$642.00	\$3,852.00	\$385.20	\$4,237.20
4	Shipping to Tropical Farms WTP	1	\$12,900.00	\$12,900.00	\$1,290.00	\$14,190.00
5	Trash Dumpsters	8	\$1,000.00	\$8,000.00	\$800.00	\$8,800.00
6	Consumables	1	\$2,000.00	\$2,000.00	\$200.00	\$2,200.00
7	Travel	1	\$5,000.00	\$5,000.00	\$500.00	\$5,500.00
8	Pressure Vessel Installation (per Train)	4	\$22,500.00	\$90,000.00	\$0.00	\$90,000.00
	Subtotal			\$282,807.00	\$19,280.70	\$302,087.70
9	Sales Tax	7%		\$19,796.49	\$0.00	\$19,796.49
10	Bond	1.00%				\$3,218.84
	TOTAL ADDITIONAL COST FOR CONTRACT CHANGE					\$325,103.03



Additional Contract Time Request / Justification:

Item No.	Description	Calendar Days
1	Current Delay Time from Pressure Vessel Inspection to Estimated Notice to Proceed date September 16, 2020	67
2	Pressure Vessel Lead Time	30
3	Additional Vessel Installation Time	60
	Total Additional Contract Time Requested	157

Acceptance and Authorization to Proceed

Signature

Print Name

3504 Industrial 27th Street * Fort Pierce, Florida 34946
Telephone (772) 448-5800 * Fax (772) 467-2608
FL CGC1507464

Aerex Global Water Solutions is a Registered Trademark of Aerex Industries, Inc.



QUOTATION

DATE: 7/27/2020
TO: AEREX INDUSTRIES
ATTN: MONTROE HOPKINS
FROM: Taryn Doyle
QUOTE#: Q03-070920-TD-REV3
PROJECT: TROPICAL FARMS-FULL REPLACEMENT

PROTEC ARISAWA AMERICA IS PLEASED TO OFFER THE FOLLOWING QUOTATION.

PROTEC MODEL	PRO	8	300	MSP	7
300		MAXIMUM OPERATING PRESSURE			
3"		DIAMETER OF F/C PORT			
SST 316L		MATERIAL OF F/C PORT			
1.25" GROOVED/0.25" FNPT		TYPE OF PERMEATE PORT			
NORYL		MATERIAL OF PERMEATE PORT			
NORYL		MATERIAL OF SEALING PLATE			

PORT CONFIGURATION	QUANTITY	UNIT PRICE	EXTENDED PRICE
4 X 3", 1K-3K-5K-7K	96	\$ 817.00	\$ 78,432.00
3 X 3", 1K-3K-7K	96	\$ 785.00	\$ 75,360.00
PACKAGING MATERIAL FOR 192 VESSELS (32 PER BASE)	6	\$ 642.00	\$ 3,852.00
VESSEL TOTAL COST			\$ 157,644.00

OPTIONAL ITEMS

UPGRADE TO PVC PERM PORTS	384	\$ 20.00	\$ 7,680.00
ASME CODE STAMP FEE	192	\$ 30.00	\$ 5,760.00

INCLUDED WITH VESSEL PURCHASE:

FINISH SANDING AND PAINT
 (2) SADDLES AND (2) STRAPS PER VESSEL
 THRUST CONE AND COMPLETE HEAD ASSEMBLIES
 NOTE: VESSELS OF 4 MEMBRANES OR ABOVE WILL BE GIVEN (3) SADDLES
 AND (3) STRAP ASSEMBLIES
 (2) STANDARD 1.125" MEMBRANE ADAPTERS PER VESSEL

COMMERCIAL TERMS:

PAYMENT TERMS	50% WITH PO; 50% NET 30
FREIGHT	EX-WORKS VISTA
LEAD TIME	3 WEEKS ARO AND PAYMENT
VALIDITY	30 DAYS
WARRANTY	STANDARD TERMS AND CONDITIONS FOR 1 YEAR AFTER DELIVERY

If you have any questions, or need further assistance, please contact me at 813-909-3880. Email purchase orders to orders.paa@protec-arisawa.com. All orders are subject to Protec Arisawa terms, conditions, and warranty.

Taryn Doyle, Account Manager