



ERIE COUNTY WATER AUTHORITY

INTEROFFICE MEMORANDUM

May 7, 2020

To: Terrence D. McCracken, Secretary to the Authority

From: David M. Patton, Sr. Production Engineer *DMP*

Subject: Sturgeon Point Water Treatment Plant
Caustic Bulk Storage Tank Change Order No. 1
ECWA Project No. 201900133

Due to the on-going COVID 19 crisis, the limited staffing available at the WTP and the potential for temporary chemical supply interruptions, it has been determined that the additional work necessary to complete the improvements to the caustic storage system and place the new tank in service needs to be expedited.

Once the new tank and other improvements are completed, we will add approximately 2-weeks of additional storage capacity at the WTP. The Work was planned to be completed by ECWA staff, however with the current scheduling limiting staff onsite this work cannot be scheduled anytime soon.

In order to facilitate the work's completion, it has been determined to have H&K Services complete the necessary work as a Change Order to their current contract to furnish and install the recently installed caustic bulk storage tank. Upon discussions with H & K Service they have provided a cost proposal, in the amount of \$44,938.00, of which has been reviewed by ECWA Engineering Staff and considered to be a fair cost and within range to be expected for the required work. Additionally, H & K Services has availability to start this work as soon as June 1, 2020.

The following documents are attached:

- Blue Authorization Form – this form provides the project name and project number, the action that is being requested of the Board, and it provides a list of approvals that are required prior to being acted on by the Board.
- Three (3) original Change Order requests signed by ECWA Executive Engineer.

CHANGE ORDER NO. 1

Erie County Water Authority
295 Main Street, Room 350
Buffalo, New York 14203

Contract No.: 19-17-09

Project No.: 201900133

Date: May 6, 2020

Project: Furnish and Deliver, and Install One Bulk Caustic Storage Tank
for Sturgeon Point Water Treatment Plant

Contractor: H&K Services, Inc.
12025 Leon Road
295 Main Street

Engineer: Erie County Water Authority
295 Main Street, Room 350
Buffalo, New York 14203

DESCRIPTION OF CHANGE:

The changes consist of additional work required to place the new bulk caustic storage tank into service and to improve the existing caustic system transfer pumping system. The additional work includes the following general items:

1. Complete new Tank's Valves & Piping, including the new tank fill/inlet, vent, drain and outlet piping and isolation valves and piping modifications for connections to existing day tank piping.
2. Furnish and Install (2) new caustic bulk tank transfer pumps, including isolation valves and piping connections. (2-total, 1-online and 1-spare). Pump will transfer caustic chemical from new tank to existing day tank.
3. Installation of emergency spare caustic feed piping (1" fusible HDPE, approx.. 350 feet length), from existing feed pumps to the existing WTP clearwell application point. This piping will be same and configured/aligned adjacent to the existing feed piping.
4. Replacement of the existing two (2) caustic transfer pumps, valves and piping, located on first floor in the chemical bulk storage area.

REASON FOR CHANGE:

The additional work above has been determined necessary to be completed ASAP, due to the current COVID-19 crisis and possibility of chemical delivery interruptions related to such. The new tank will add approximately 2-weeks of additional storage capacity at average WTP flows to provide additional flexibility in deliveries. The Work was planned to be completed by ECWA staff, however with the current scheduling staff is limited and not available to complete.

COMPENSATION:

<u>Item</u>	<u>Description</u>	<u>Cost</u>
1	Complete New Tank Piping	\$ 8,730.00
2	New Tank Transfer Pumps	\$ 9,305.00
3	Additional Caustic Feed Line	\$ 7,715.00
4	Replace Existing Transfer Pumps	<u>\$ 19,188.00</u>
	Total	\$ 44,938.00

CHANGE IN CONTRACT PRICE:

CHANGE IN CONTRACT TIMES:

Original Contract Price

\$129,000.00

Original Contract Times

Final Completion: NA

**Net Changes from previous Change Orders
No. _____ to _____**

\$0.00

**Net changes from previous Change Orders
No. _____ to _____**

Final Completion NA

Contract Price prior to this Change Order

\$129,000.00

Contract Times prior to this Change Order

Final Completion: NA

Net Increase/~~Decrease~~ of this Change Order

\$44,938.00

Net Increase/~~Decrease~~ of this Change Order

Final Completion: NA

Contract Price with all approved Change Orders

\$173,938.00

Contract Times with all approved Change Orders

Final Completion: NA

Final Completion: NA

APPROVALS:

OWNER: _____
Erie County Water Authority

Date: _____

CONTRACTOR: _____
H&K Services, Inc.

Date: _____

ENGINEER: _____
ECWA Executive Engineer

Date: _____