EMERGENCY PURCHASE
APPROVAL FORM

Today's Date: ~~11/17~~/24 Emergency Date: 11/17/24

Department: Utilities

Item(s) Needed: Water Treatment Plant Green Leaf Filter Structural Repairs

Reason for Need:

Craig A. Smith & Associates was tasked to inspect the two Green Leaf filters at the Lauderhill water treatment plant while MKI services was in the process of rehabilitating the two filters. Our inspector was on site after the west filters two out of the four cells were taken off line then drained, the media was removed and the tanks were drained and then inspected. During that inspection it was noticed that a large amount of rust and steel corrosion was evident along the vertical walls, and along the tank welds. It was noticed that the inlet flumes support I-beams were badly rusted with large sections of the I beams rusted through. This corrosion has damaged the beams to such an extent that they are no longer structurally capable of safely supporting the inlet flume or the center operational platform.

This is evident with the recent site photographs located at the end of this report.
CAS is recommending replacing the badly rusted I-beams and sand blast and paint the remaining I beams along with the rest of the interior steel surfaces of the Green Leaf filters.

In addition to the I beam corrosion the center operational platforms have a canopy which is supported by four steel columns. These square steel columns are supported by thin steel support plates that appear to be welded to the operational platforms steel support structure and welded to the support columns. Please see the photographs at the end of this report which shows that each of the four canopy supports mounting plates appear to be totally corroded and need to be replaced otherwise the canopy assembly may collapse.

The Engineers report that supports the need for unforeseen additional repairs to be made as the report outlines the details and critical nature necessary for the work required to bring structural integrity to the both Green Leaf filter Units. The two Green Leaf Filters are a vital components of the daily production of approximately 8 million gallons of water per day at the Water Treatment Plant that serves the Citizens of Lauderhill. Therefore, based on the findings of the Engineers report. I recommend to approve the change order work in the amount of approximately $500,000 as quickly as possible so that repairs can be performed in order to minimize the down time of each unit to ensure that there is not a disruption in the daily operational process of water production.

Vendor : MKI Services

Estimated Cost: $ 500,000.00

Herb Johnson

Date:11/17/2024

Department Director

Approve ☐ Disapprove ☐

Date:_____ City Manager or Designee

This form is to be used only for emergency purchases and services needed immediately. The reason for the immediate need must be documented and approved by the City Manager or Assistant City Manager prior to the purchase or service being procured. Emergency purchases are generally needed when the health, safety or welfare of the citizens is in jeopardy. If emergencies arise during hours in which City Hall is closed and purchases or services must be acquired, an e-mail must be sent and approved by the City

Manager or Assistant City Manager first, then this form must be filled out completely and turned in for approval on the next business day that is available. **DEPARTMENT DIRECTOR WILL BE HELD RESPONSIBLE FOR SUCH PURCHASES.**