

**RESOLUTION 21-19**

**AUTHORIZE ISSUANCE OF REQUEST FOR PROPOSAL FOR NEW  
SCREENS AT THE HEADWORKS OF WASTEWATER TREATMENT PLANT**

**WHEREAS**, the City of Spring Hill Wastewater Treatment Plant is in need of new screens at the headworks to ensure proper operation of treatment plant; and

**WHEREAS**, the Wastewater Treatment Plant has had a recurring issue for the last five years with the accumulation of rags and other non-biodegradables passing through the screening system at the headworks resulting in having to pull a waste pump or a return pump once a week to properly remove and clear accumulated debris; and

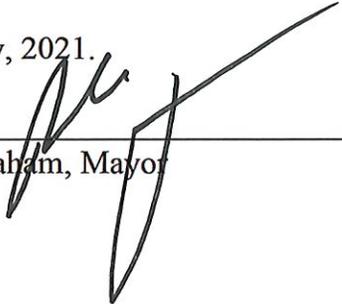
**WHEREAS**, as an interim measure, smaller impellers have been placed in the pumps to keep them from getting clogged; and

**WHEREAS**, the conditions have worsened significantly leading to large amounts of non-biodegradable solids packing together in the oxidation ditch causing other impacts such as the disabling of two mixers and the packed debris releases from the oxidation ditch as well as blockages to the influent lines to the clarifiers requiring clogs to be removed by hand and also resulting in overflows; and

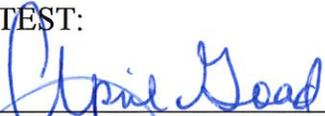
**WHEREAS**, new screens have a four-to-five-month lead time from placing the order to delivery of equipment that necessitates the need for placing an order for screens in order to have them ready for installation by June or July 2021.

**NOW THEREFORE, BE IT RESOLVED**, that the City of Spring Hill, Board of Mayor and Aldermen authorizes the issuance of a Request for Proposals (RFP) for screens at the headworks of the Wastewater Treatment Plant.

Passed and adopted this 19<sup>th</sup> day of January, 2021.

  
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Rick Graham, Mayor

ATTEST:

  
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April Goad, City Recorder

LEGAL FORM APPROVED:

  
\_\_\_\_\_  
Patrick Carter, City Attorney



**REQUEST:** *Purchase of New Screens at Headworks*

**SUBMITTED BY:** Travis Massey, WWTP Superintendent

**DATE:** January 11<sup>th</sup> 2021

**ATTACHMENTS:**

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**PURPOSE:**

The Waste Water Treatment Plant is in need of new screens at the headworks.

**BACKGROUND:**

The Waste Water Treatment Plant has had a recurring issue for the last five years or so of rags and other non-biodegradables passing through the screening system at the headworks. The result is having to pull a waste pump or a return pump once a week to remove and clear debris. As an interim, measure smaller impellers were placed in the pumps to keep them from getting clogged so easily. However, the conditions have worsened significantly leading to large amounts of non-biodegradable solids packing together in the oxidation ditch causing other impacts such as disabling two mixers. Additionally, a worse issue is the packed debris releasing from the oxidation ditch and stopping up the influent lines to the clarifiers. The only way to clear those clogs is to remove them by hand. This is the situation that occurred on New Year's Eve causing an overflow that went on the golf course and also made it to the creek. The clarifiers will continue to get clogged until new screens are installed at the headworks and the oxidation ditches are cleaned. New screens have a four/five month lead time; therefore, the screens need to be ordered now to have them ready for installation by June/July.

**STAFF RECOMMENDATION:**

It is staff's recommendation to conduct a Request for Proposal since the screens at the headworks are still functioning somewhat and cannot be considered an emergency. Discussions with a manufacturer indicate the budget should be approximately \$370,000.00 to cover the new screens.