

RESOLUTION 21-18

**APPROVE THE PURCHASE OF NEW POLYMER SYSTEM
FOR WASTEWATER TREATMENT PLANT**

WHEREAS, the City of Spring Hill Wastewater Treatment Plant is in need of a new polymer system for the purpose of sludge disposal from the digester operation at the plant; and

WHEREAS, the current polymer system, which has been in operation for the past 8 years is no longer working properly for its intended purpose and a factory evaluation indicated that it would cost over \$10,000 to repair; and

WHEREAS, the wastewater treatment plant is currently using a unit on loan from Eco-Tech, Inc.; and

WHEREAS, the system runs at 400 gallons per hour of water and 2-3 gallons of polymer per hour; and

WHEREAS, Staff recommends the purchase of a new Polymer System (MM1200-D4AM) capable of processing 1,200 gallons of water and 4 gallons of polymer per hour at a cost of \$15,770.00 (plus freight charges) from Eco-Tech, Inc.

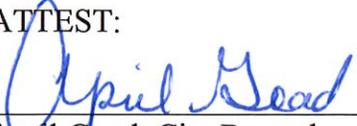
NOW THEREFORE, BE IT RESOLVED, that the City of Spring Hill, Board of Mayor and Aldermen approves the purchase of a New Polymer System (MM1200-D4AM) for a cost of \$15,770.00 plus customary freight charges from Eco-Tech, Inc.

Passed and adopted this 19th day of January, 2021.



Rick Graham, Mayor

ATTEST:



April Goad, City Recorder

LEGAL FORM APPROVED:



Patrick Carter, City Attorney



REQUEST: *New polymer system*
SUBMITTED BY: Travis Massey, WWTP Superintendent
DATE: January 11th 2021

ATTACHMENTS:

PURPOSE:

The Waste Water Treatment Plant is in need of a new polymer system used in the disposal of sludge from the digester operation.

BACKGROUND:

The polymer system that we have used for the last 8 years broke and I sent the unit to the factory to have it evaluated to see how much it cost to repair and the company sent me a demo unit to use for 45 days. I was told it would cost over \$10,000.00 to repair the unit. I asked if we could rent the demo and I was told no but I could purchase it. I asked for a price of the unit (MM2400-D10AB) this unit is really too big for what I need at the plant this unit can do 2400 gallons per hour and 10 gallons of polymer per hour and I was told it would be \$ 16,141.00. So, I asked for a price of a new smaller unit (MM1200-D4AM) this unit can do 1200 gallons per hour and 4 gallons of polymer per hour and it cost \$ 15,770.00. We run the system at 400 gallons per hour of water and 2-3 gallons per hour of polymer.

STAFF RECOMMENDATION:

It is staff's recommendation that the city buys a new polymer system (MM1200-D4AB) which is \$ 15,770.00 plus freight from Eco-Tech, Inc. This price will include startup of the unit as well.