

CITY COUNCIL MEETING
Study Session
April 12, 2021

A Study session of the Warrensburg City Council was held on Monday, April 12, 2021, at 6:30 p.m., at 200 S. Holden and via Zoom, with Chairman Pro Tem Scott Holmberg presiding. Roll was called as follows, Present were: Brooks, Holmberg, Kushner, Jacobs. Absent: Lund.

The adoption of the agenda was considered. Holmberg moved to adopt the agenda. Yes: Brooks, Holmberg, Kushner, Jacobs. Absent: Lund. No: none.

Interim City Manager Danielle Dulin said this presentation is concerning the City's Wastewater Capacity Assessment. Dulin said there have been no changes in the City's wastewater plants since 2009-2010. She said that brought our plants from one million gallons a day to one and one-half million gallons a day. She said this took the lagoon off-line and added the North lift station. Dulin said over the last ten years the community has grown. She said the Department of Natural Resources will be adding additional regulations for wastewater treatment plants. Dulin said the City asked Pat Young, an Engineer with HDR to provide recommendations for the City's next plant upgrade.

Pat Young said he has been involved with the City's last two treatment plant expansions. He is going to give a recap of the flows, loads, regulatory drivers, and he will project growth within the City. He explained the flows and said the West Treatment Plant is almost to flow capacity but there is room for flow from a loading perspective.

Young said there is still some capacity at the East Sewer Plant. Young said however, this is the area that has the growth of the City at that facility. He said the extra load capability is good, especially if a new business is interested in locating in Warrensburg.

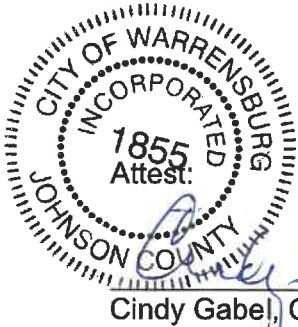
Young said from a regulatory standpoint there are two items that will affect the wastewater plant and one is ammonia. He said there are going to be limits in the next five years on the amount of ammonia that can be used. Young said in about ten years, nitrogen and phosphorus will not be regulated on the amount used now; but will eventually be regulated, most likely in about ten years.

In summary, Young said in monitoring growth, he has looked at the population in 2019 and has looked at growth rates of 1% to 1½ to 2%. He said in the past five years, the City has averaged one percent growth, and he has looked at what that will mean to the City of Warrensburg. Young said in anticipating the growth at the East Plant, the project should begin in 2025. He said they looked at all the testing facilities at the treatment plants, and at wastewater improvement alternatives. Young said that included Sequential Batch Reactors, UV Disinfection, and Reedbeds. He said the anticipated cost of that expansion to be just under 6 million dollars.

Young said there is alternative technology called Aerobic Granular Sludge that began in Europe but is being seen more in the United States. He said he looked at it because it is like the Sequential Batch Reactor; however, he later realized the change would be very costly and would not be needed for some time. Young said there are a lot of price fluctuations with building this year so some prices may be higher, along with the engineering and equipment prices.

Dulin said she would like to add that with these upcoming needed improvements to the City's sewer system, there will also be a need for a new sewer rate study to fund these improvements.

As there was no further business, the study session was adjourned.



Cindy Gabel
Cindy Gabel, City Clerk

Bryan Jacobs
Bryan Jacobs, Mayor

