

Exhibit I,
Winnsboro Industrial Park
Letter from Winnsboro Water and
Sewer Engineer





Meyer, Meyer, LaCroix & Hixson, Inc.
Engineers and Land Surveyors

Exhibit I: Winnsboro Industrial Park Letter from Winnsboro Water and Sewer Engineer

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September 2, 2022

Mr. Justin Martinez, Superintendent
Town of Winnsboro
P.O. Box 250
Winnsboro, LA 71232

Re: Winnsboro Industrial Park
Available Water and Wastewater Capacity

Dear Mr. Martinez,

Pursuant to your request, we have calculated the Town of Winnsboro's water and wastewater capacities at its Industrial Park available for prospective industrial development.

Water Capacity

The Town of Winnsboro's public water supply consistently meets all Federal and State primary drinking water standards and has won multiple regional and state awards for "Best Tasting Water". The proposed site does not presently have water or sewer service. A copy of a previous Industrial Park Existing Utility Map is attached for your use. Although this document was produced in 2012, we believe that it is still accurate. The nearest water main to the site is a 10" main on the existing elevated tank property approximately 400' from the front corner of the site. The nearest sewer service is an 8" gravity main located along Industrial Drive approximately 300' from the front corner of the site.

For industrial development, water availability is typically considered in terms of daily flow capacity and fire flow capacity.

Daily Flow: The Town of Winnsboro has 5 wells with a total capacity of 2500 gpm (3.6 million gallons per day, MGD). For long-term sustainability of the well field, we would recommend limiting the wells to operating no more than 12 hrs/day, which provides a sustainable capacity of 1.8 MGD. Winnsboro's current average daily demand is 0.83 MGD, therefore, the Town has approximately 0.97 MGD of excess water production capacity available at the Industrial Park.

Fire Flow: The Industrial Park is supplied with water by a 12" water main from the booster station and a 10" water main from the Town. The elevated tank at the Industrial Park has a capacity of 250,000 gallons. Available fire flow is calculated in two stages. In the first, stage, the flow would be coming from the local elevated tank and the booster station until the local elevated tank is depleted. In the second stage, the local elevated tank would be

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empty and flow would be coming from the booster station with the wells pumping to the ground storage tank until the ground storage tank is depleted. Both conditions assume that one well is out service and peak demand is occurring in the remainder of the distribution system.

Available Fire Flow - 1st Stage: 4,100 gpm for 2 hours

Available Fire Flow - 2nd Stage: 2,000 gpm for 12 hours

Wastewater Capacity

The Town of Winnsboro has a wastewater treatment plant at its Industrial Park with a design capacity of 0.1 million gallons per day (MGD). However, the town is currently in the design stage of a project to eliminate this wastewater treatment plant and construct a lift station at the Industrial Park and approximately 4.4 miles of force main to connect to the Town's Municipal Wastewater Treatment Plant. As part of the project, the Town will also be rehabilitating its Municipal Wastewater Treatment Plant to restore it to its prior condition.

Please note that the Town of Winnsboro's Municipal Wastewater Treatment Plant has a Permitted Design Capacity of 0.8 MGD. The most recent LPDES permit renewal application shows a Long-Term Average Value for Flow of 0.2338 MGD and a Maximum Monthly Average Value of 0.3327 MGD. Therefore, the Town has approximately 0.45 MGD of excess capacity at its Municipal Wastewater Treatment Plant. The proposed 8" force main from the Industrial Park to the Municipal Wastewater Treatment Plant is capable of transmitting up to 0.45 MGD of wastewater.

We hope that this information effectively showcases the Town of Winnsboro's ongoing efforts to provide adequate water and wastewater capacity to allow for economic development. Please do not hesitate to contact me at (318)448-0888 or by email at heath.mcguffee@mmlh.com if you need any additional information.

Sincerely,



Heath McGuffee, PE

HM:mr

c: Honorable Alice Wallace, Mayor, Town of Winnsboro