

Virtual Public Information Meeting

Wednesday, June 10 at 6:00 p.m.

To participate visit <https://zoom.us/>

Meeting ID: 832 5520 5313 Password: 963871

Virtual Public Hearing

Wednesday, June 24 at 6:00 p.m.

To participate visit <https://zoom.us/>

Meeting ID: 822 1926 5511 Password: 414679

Dial-by-Phone Options below:

+1 312 626 6799 | +1 646 876 9923 | +1408 638 0968

+1 669 900 6833 | +1 253 215 8782 | +1 301 715 8592

International numbers available at <https://zoom.us>



For the hearing impaired, please call 711 to access the FCCs phone relaying service and provide one of the U.S. numbers listed.

If you need assistance connecting, please contact IT Director David Marquette at dmarquette@deltami.gov.

In addition to the public hearing, residents may comment **in writing** on the project prior to July 1, 2020 in one of three ways, by email at WWTPProject@deltami.gov, by mail at 7710 West Saginaw Hwy., Lansing, Michigan 48917 or by hand delivery in the drop box located on the north side of the Township Hall at 7710 West Saginaw Hwy., Lansing, MI 48917.

Wastewater Treatment Plant (WWTP)

Major Capital Improvements

Public Discussion

Why is this major capital improvement project necessary?

1). The plant is at the end of its useful life

Delta Township's WWTP was constructed 55 years ago, with expansions in 1972 and 1986, which means the newest equipment is **34 years old**. The equipment and structures are worn out and the plant is experiencing frequent and costly equipment failures.

2). The plant needs new equipment to meet future water quality requirements

While the plant has historically met or surpassed required treatment standards, in 2019 the Michigan Department of Environment, Great Lakes and Energy (EGLE) added **tougher treatment standards** to our discharge permit in an effort to **improve water quality** in the Grand River. This requires a new treatment process that the existing plant does not have.

3). The plant is nearing capacity

With approximately 10,300 residential, commercial, and industrial customers, including the State Secondary Complex and General Motors, the plant currently treats almost 5 million gallons of raw sewage per day, which is **over 80% of its design capacity**. A modest increase in capacity will allow for continued growth in the Township.

What are the proposed improvements?

Two main alternatives (A & B) are being considered to address the issues. After identifying the large cost, construction difficulty, and inefficient operation of the plant associated with repairing and retrofitting the plant, Delta Township's project team developed a plan to reconstruct the plant on the same site. Reconstruction was found to be more cost effective to both build and operate and is anticipated to use 34% less energy than repairing and retrofitting the plant.

Alternative A:

Repairing and retrofitting the existing outdated plant by expanding capacity and inserting a new treatment process creates an inefficient and costly design.

Alternative B:

Reconstructing a new plant with additional treatment capability and capacity provides improved efficiency and is more cost effective to construct. ✓



View the 2020 DRAFT State Revolving Fund (SRF) Project Plan at:
www.deltami.gov/2020DraftSRF

The project will be constructed in phases. The first phase is planned for construction in 2022 and a second phase will immediately follow in 2024. The first two phases will allow the WWTP to meet tougher discharge limits that take effect in 2027.

All work will occur at the existing WWTP on Willow Highway, inside the existing fenced WWTP site. No offsite work or expansion of the current plant boundary is anticipated.

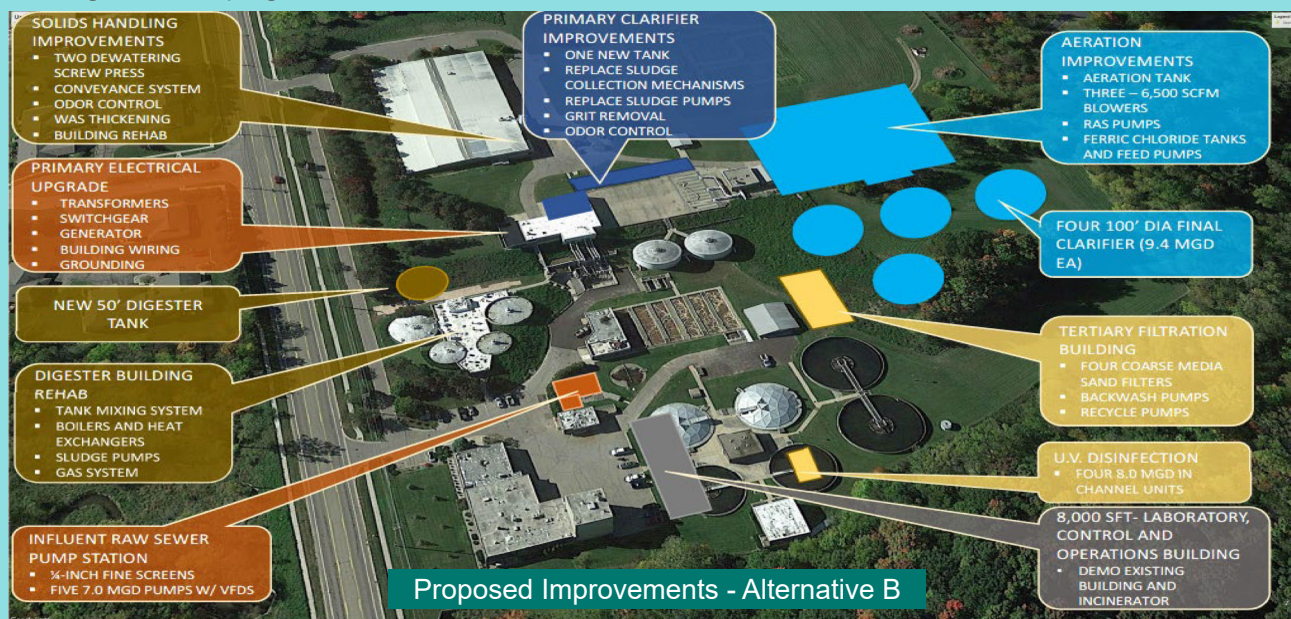


Current Plant

What Will It Cost and How Will the Township Pay For It?

The total cost of all necessary improvements is estimated at **approximately \$78 million** and the project will be constructed in multiple phases. The Township is planning to apply for **low interest loans** (est. 2 - 2.5%) from the Clean Water State Revolving Fund (SRF) to finance construction of the WWTP improvements.

The Township is pursuing principal forgiveness funds that are available for energy efficient “green” infrastructure that is offered through the SRF program.



The loans would be repaid over 20-years with revenue collected from sewer bills. In order to have sufficient revenue to repay the loans and continue to fund operation of the sewer collection and treatment system, sewer rates are expected to increase. Currently, a typical residential sewer customer bill is \$27.50 per month, which is one of the lowest rates in the greater Lansing region. The Township is in the process of conducting a professional rate study, which will guide the Township in rate setting in the future. However, as part of the SRF funding application process, the Township is required to develop an initial estimate of the impact of the proposed project on sewer rates. The Township's initial estimate is that rates will need to increase by an average of 6% per year over 6 years. At the end of that six-year period the estimated residential monthly bill will have increased by approximately \$10 a month.. There are many variables associated with this estimate and actual rates may vary from this estimate. Even at this level, however, Delta Township's sewer rates would remain competitive within the region.

Because the project will be constructed within the current fenced in boundary of the WWTP, it is not expected to have any significant negative environmental or social impacts. An overall improvement to **energy efficiency** and **increased level of treatment** prior to discharging to the Grand River are **significant positive environmental impacts**.

For more information or for questions, please contact the Delta Township Engineering Department at 517-323-8540.

