



Performance Engineers Inc.

Civil / Structural Engineering

August 25, 2021

Ms. Diane Rekowski, Executive Director
Northeast Michigan Council of Governments
P.O. Box 457
Gaylord, MI 49735

Re: Tuscarora Township – Phase I Sewer Expansion, Clearinghouse Review

Dear Ms. Rekowski:

Tuscarora Township is seeking federal assistance from the USDA Rural Development for a proposed sewer extension project, Tuscarora Township – Phase I Sewer Expansion. We have included under this cover our Notice of Intent for this application, a project summary, and a map of the proposed project.

Please accept this notification as our filing with the regional clearinghouse, as required by USDA Water and Waste Loans and Grants (CFDA #10.760). If you have any questions or need additional information for your review, please do not hesitate to contact us.

Sincerely,
Performance Engineers, Inc.

Aaron Nordman

Aaron Nordman, P.E.
Principal

Tuscarora Township – Phase I Sewer Expansion, Project Summary

Tuscarora Township is requesting funding assistance through the US Department of Agriculture's Rural Development, Water and Waste Disposal Direct Loans and Grant Program. The purpose of this funding request is to enable the Township to expand the community's wastewater collection system from the downtown commercial district to the surrounding residential area to the west. The sewer expansion has been subdivided into two proposed phases, due to the size of the area to be served. The subject of this request is the Tuscarora Township – Phase I Sewer Expansion, which is the northerly half of the overall expansion. An overall service area map has been included for reference, which depicts the proposed project in relation to the existing sewer system.

The Phase I service area includes the Columbus Beach Club at the northerly boundary, down to Mack Avenue to the south. The homes within this area currently rely upon private wells and individual drainfields. Due to a combination of environmental concerns including poor soil conditions, high groundwater, surface water proximity, and well isolation distances on relatively small lots, the majority of existing onsite wastewater disposal systems are non-conforming to current environmental health standards (Sanitary Code), which can contribute to the degradation of the surrounding water quality. The lack of sewer infrastructure has also become a limiting factor to population and economic growth.

The existing sewer system was designed and constructed with the intention of expansion into this residential area. This request would be the first expansion of the original system. In conjunction with a proposed expansion of the service area, an expansion of the wastewater treatment facility (WWTF) would be necessary to treat the additional flow.

The proposed project will provide a hybrid of gravity services and low pressure sewer (LPS) with individual grinder pumps. The service area encompasses approximately 121 acres and 226 EDUs on 202 properties. The Phase I expansion will include approximately 7,350 feet of new 8-inch gravity sewer, 22 manholes, approximately 10,400 feet of new force main sewer, 4 lift stations, 68 individual pumping stations, upgrades to increase capacity in the two existing lift stations, and an expansion of 48,000 gpd capacity at the existing WWTF. The project cost is estimated at \$6.325M.

Affidavit of Publication
Straitsland Resorter
Indian River, Michigan 49749
Township of Tuscarora
County of Cheboygan
State of Michigan

Kathy A. Swanson, being first duly sworn, says that she is Publisher of the *STRAITSLAND RESORTER*, a newspaper published in the English language for the dissemination of local or transmitted news and intelligence of a general character and legal news, which is a duly qualified newspaper, and that annexed hereto is a copy of a certain order taken from said newspaper in which the order was published.

PUBLICATION DATE March 25, 2021

Kathy A. Swanson

KATHY A. SWANSON. Publisher

Subscribed and sworn to before me

this 14 day of April, 20 21

Denise L. Hand
Notary Public, State of Michigan, County of Cheboygan

My Commission Expires: May 02, 20 25
Acting in the County of Cheboygan

We're getting into grass fire season: try to avoid

The ground may look damp and muddy, but grass and brush are dry in spring even if the ground is wet. That means fire can spread fast.

"Everybody wants to get out and clean up their yard, but it's important check conditions before burning and to understand how dry these fuels on the ground are," Paul Rogers, fire pre-

vention specialist with the Michigan Department of Natural Resources, said.

Debris burning is the number one cause of wildfires in Michigan, and some fires already have scorched Lower Michigan landscapes, including a 432-acre fire in the state's Thumb region.

Open burning is allowed where the

ground is still snow-covered. Otherwise, a free burn permit is required. Burn permits in the southern Lower Peninsula are issued by local fire departments and government offices. In the northern Lower Peninsula and the Upper Peninsula, residents can check the map at Michigan.gov/BurnPermit to see if debris/open burning is

permitted

Rogers u when bur campfires tivities, es heat or ga the DNR's

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Deadline is noon o for a qu call the e-mail

Mullett Township Notice of Public Accuracy Test

NOTICE IS HEREBY GIVEN that the Public Accuracy Test for the May 4, 2021 Special Election has been scheduled for Monday, March 29, 2021 at 1:00 p.m. in the Township Hall offices, 1491 N. Straits Hwy., Topinabee, MI 49791. The Public Accuracy Test is conducted to demonstrate that the program and computer that will be used to tabulate the results of the election, counts the votes in the manner prescribed by law.

Denise Ackerman,
Mullett Township Clerk
www.mullett-township.com

Notice of Intent to File Application

Tuscarora Township, Michigan intends to file an application for federal assistance with the U.S. Department of Agriculture, Rural Development, Rural Utilities Services. The project includes a Phase 2 expansion of the sanitary sewer system to a residential area in Indian River which includes an area north of Barbara Avenue, including Sturgeon Island, east of Burt Lake, west of Straits Hwy, and the near north side of the Indian River along Prospect, including Columbus Beach. A public meeting for comments will be held at April 6, 2021, 7:00 pm at the Tuscarora Township Hall, 3546 S. Straits Highway, Indian River, or if required by the State of Michigan, at a meeting held by electronic means at the same date and time, to discuss the proposed project and to provide the opportunity for public comment. Any additional information can be found in the "sewer expansion" section of the township web page at tuscaroratwp.com or may be obtained by contacting Tuscarora Township at (231-290-0044).

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**NATURAL**

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K:\PROJECTS\6213\DRAWINGS\6213 BASE DWG - SERVICE AREA - PLOTTED 8/25/2021 12:06 PM BY AARON NORDMAN



SERVICE AREA SUMMARY

THE PROPOSED DISTRICT 2 SERVICE AREA IS COMPRISED OF THE PRIMARILY RESIDENTIAL PROPERTIES THAT ARE WEST OF THE EXISTING COMMERCIAL SEWER DISTRICT (DISTRICT 1) TO THE BURT LAKE SHORELINE. THE SERVICE AREA IS SUBDIVIDED INTO A PHASE I THAT INCLUDES THE PROPERTIES SOUTH OF MACK AVENUE TO THE STATE PARK AND A PHASE II THAT IS NORTH OF MACK AVENUE TO COLUMBUS BEACH CLUB. THIS AREA ENCOMPASSES APPROXIMATELY 200 ACRES AND 411 EDUs IN TOTAL. PHASE I IS 121 ACRES AND 226 EDUs AND PHASE II IS 79 ACRES AND 185 EDUs.

- ADDITIONAL SERVICE AREA DETAILS INCLUDE THE FOLLOWING:
- 1) OF THE 411 REUs, 329 ARE PROPOSED TYPICAL GRAVITY SERVICE CONNECTIONS.
 - 2) THE INCREASED SERVICE AREA WILL REQUIRE AN EXPANSION OF THE EXISTING WWTP, APPROXIMATELY DOUBLING THE CURRENT TREATMENT CAPACITY. THERE IS A 50% INCREASE IN PHASE I AND ANOTHER 50% IN PHASE II.
 - 3) THE EXISTING LIFT STATIONS WILL BE UPGRADED TO ACCOMMODATE ADDITIONAL FLOW IN THE PHASE I PROJECT.

- LEGEND**
- (S) PROPOSED GRAVITY SEWER MANHOLE
 - (CO) PROPOSED FORCE MAIN SEWER CLEANOUT
 - (AR) PROPOSED FORCE MAIN SEWER AIR RELEASE
 - (LS) PROPOSED LIFT STATION
 - (DP) PROPOSED DUPLEX STATION
 - (S) EXISTING GRAVITY SEWER MANHOLE
 - (DP) EXISTING DUPLEX LIFT STATION

MARK	DATE	DESCRIPTION
0	04-02-2019	PRELIMINARY REVIEW
1	10-30-2019	PER SERVICE AREA
2	11-27-19	ELIMINATE INDIVIDUAL PUMPS
3	04-27-21	TWO PHASE PLAN

PROJECT NO:	19-5213
CAD DWG FILE:	5213 BASE
DRAWN BY:	PEI
DESIGNED BY:	BWM
CHECKED BY:	AEN

SEAL
