

**THE CITY OF MANISTIQUE WASTEWATER
TREATMENT PLANT
SEPTAGE RECEIVING FACILITY OPERATING
PLAN May 17, 2021**

The City of Manistique has been and will continue to receive domestic septage waste to serve the rural residence of Schoolcraft County as defined herein.

Receiving Facility Location and Description

The MANISTIQUE WWTP will accept septage at their wastewater treatment facility located at: 321 Traders Point Drive, Manistique, MI 49854. Septage will be accepted for treatment/ discharge at the designated manhole 1A, this is prior to all treatment, located between the Blower building and the Laboratory at the treatment facility. Transporters will park their equipment close enough to prevent any discharge to the surface. (Sheet 1)

The receiving station has a manual screen basket inside the manhole 1A. All waste collect from this basket will be the full responsibility of the hauler; to clean and remove the debris. All loads will be considered a full truck load.

The City of Manistique WWTP consists of a primary and extended aeration activated sludge process with solids handling via anaerobic digestion and land application. Biosolids are applied to land to promote vegetation for non-human consumable crops. Effluent is discharged to the Manistique River and quality is typically excellent with BOD and TSS concentrations around 6 mg/L.

Hours of Operation

Prior to any hauler being permitted to dispose of septage at The Manistique WWTP treatment facility a signed contract between the Facility and the hauler shall be on file with the facility Superintendent.

A sign in log shall be provided by the facility and haulers are required to sign-in for each load disposed of at the facility. Haulers are required to clean up any spills around the receiving station.

City of Manistique will accept septage Monday through Friday between the hours of 6:30 a.m. – 2:30 p.m., and between 6:30 a.m. to 1:00 p.m. Saturdays and Sundays, including holidays. In case of an emergency, arrangements may be made by calling (906)-341-5564.

Acceptable Categories of Septage

The City of Manistique WWTP will accept the following categories of septage waste:

Domestic Septage - the septage pumped from home septic tanks, recreational vehicles(RV), cesspool, portable and fixed toilet, type III marine sanitation device, or similar storage or treatment works that receives only domestic sewage.

Fee Structure

Treatment rates shall be set and reviewed on an as needed basis by the Manistique City Council. Rates shall include treatment costs for Flow, BOD, TSS, NH3 and Phosphorus utilizing EPA and USACOE average concentrations for said parameters.

The fee structure for septage discharge into the City of Manistique WWTP treatment facility is as follows:
\$0.150 per gallon for septage.

Loading Capacity

The City of Manistique facility has adequate hydraulic and treatment capacity to accept septage. Table 1 illustrates the design capacity, current average daily influent, and the proposed maximum septage flows/loading.

Table 1

Parameter	Design Capacity	Current Ave. Daily Influent including Septage	Remaining Capacity
Flow	1.5MGD	1.1MGD*	0.4MGD
<u>BOD</u>	500 lbs/day	50 lbs/day	<u>450 lbs/day</u>

The Manistique currently accepts an annual average of less than 1000 gallons/day of septage, but during the summer months, the seasonal adjusted average is approximately 4,400 gallons/day. At an average septage BOD of 5,200 mg/L (actual lab of septage wastes), this accounts for about 189 lbs BOD/day during the peak summer months. Table I shows that the plant has a capacity to treat 450 lbs BOD/day of septage. This corresponds to the BOD load of approximately 4,400 gal/day of septage. Accordingly, the City of Manistique may allow a maximum of 8,800 gallons of septage on non-consecutive days no more than twice in any seven-day period.

The City of Manistique reserves the right to stop receiving septage during wet weather periods or during any other treatment plant capacity issues; however, the City of Manistique has adequate capacity to either treat or store septage and has yet to find it necessary to refuse septage discharges during wet weather months.

Service Area

The service area of Manistique WWTP is not defined. We will accept domestic septage from the only licensed septage hauler that's business is in Schoolcraft County (UP Septage). The service area radius is not applicable in this case.

The City of Manistique may accept septage from areas, from a different hauler or outside the service area of 25 miles on a case-by-case basis.

Other

A hauler found disposing of any substance other than domestic septage may lose their right to dispose of septage at the Manistique WWTP receiving facility.

All haulers shall submit to random testing of their septage loads as requested by the City of Manistique. Any problems encountered as a result of said sampling may result in the hauler losing their right to dispose of septage at the receiving facility.

The City of Manistique reserves the right to limit the volume of septage accepted by the receiving facility for treatment.

Any licensed hauler needing disposal information should contact the City of Manistique WWTP Superintendent, Corey Barr, at 906-341-5564.

Untitled Map

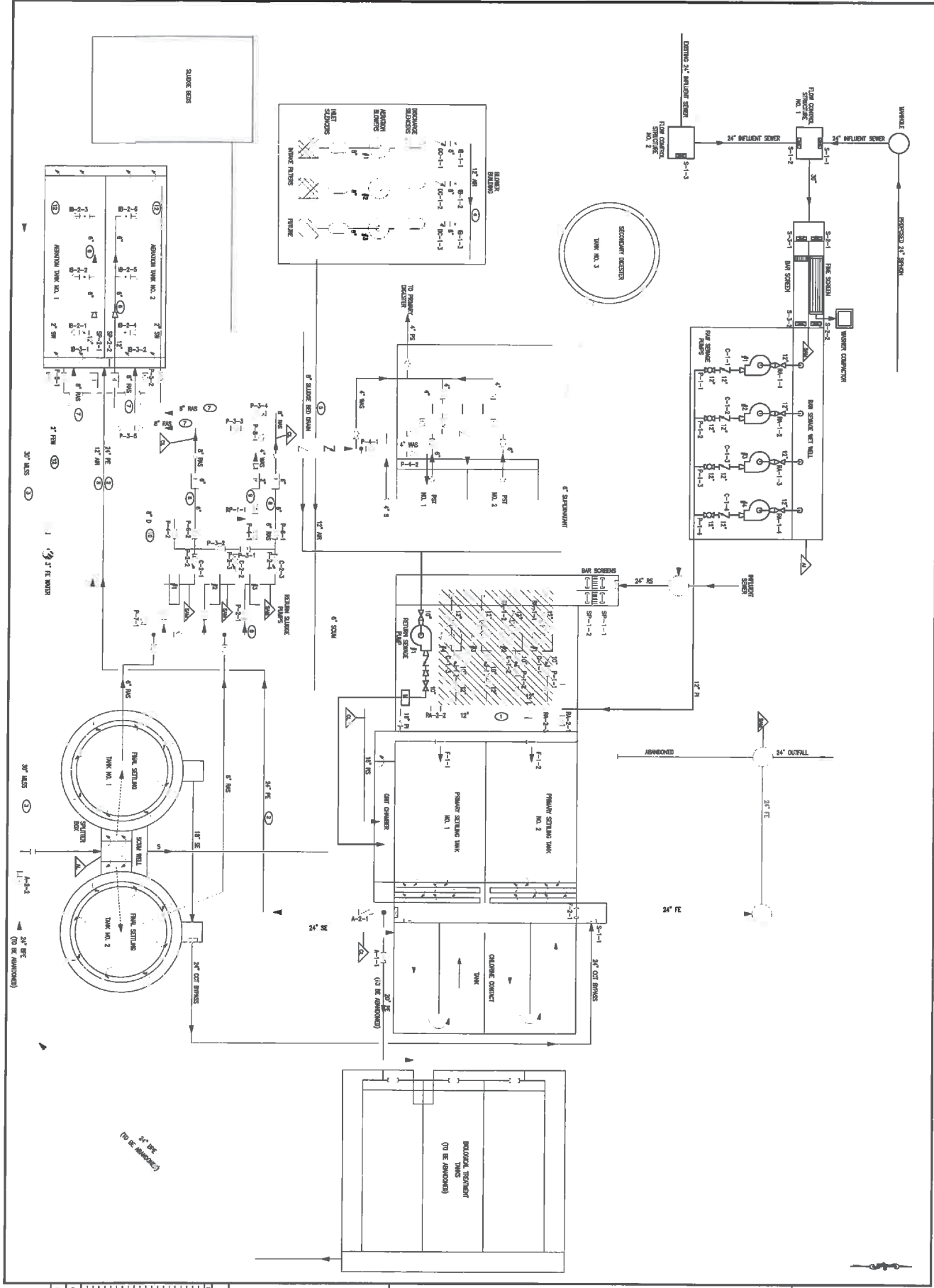
Write a description for your map.

Legend





NOTES:
1. ALL DIMENSIONS ARE IN FEET AND INCHES.
2. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
3. ALL DIMENSIONS ARE TO CENTERLINE UNLESS NOTED OTHERWISE.
4. ALL DIMENSIONS ARE TO CENTERLINE UNLESS NOTED OTHERWISE.

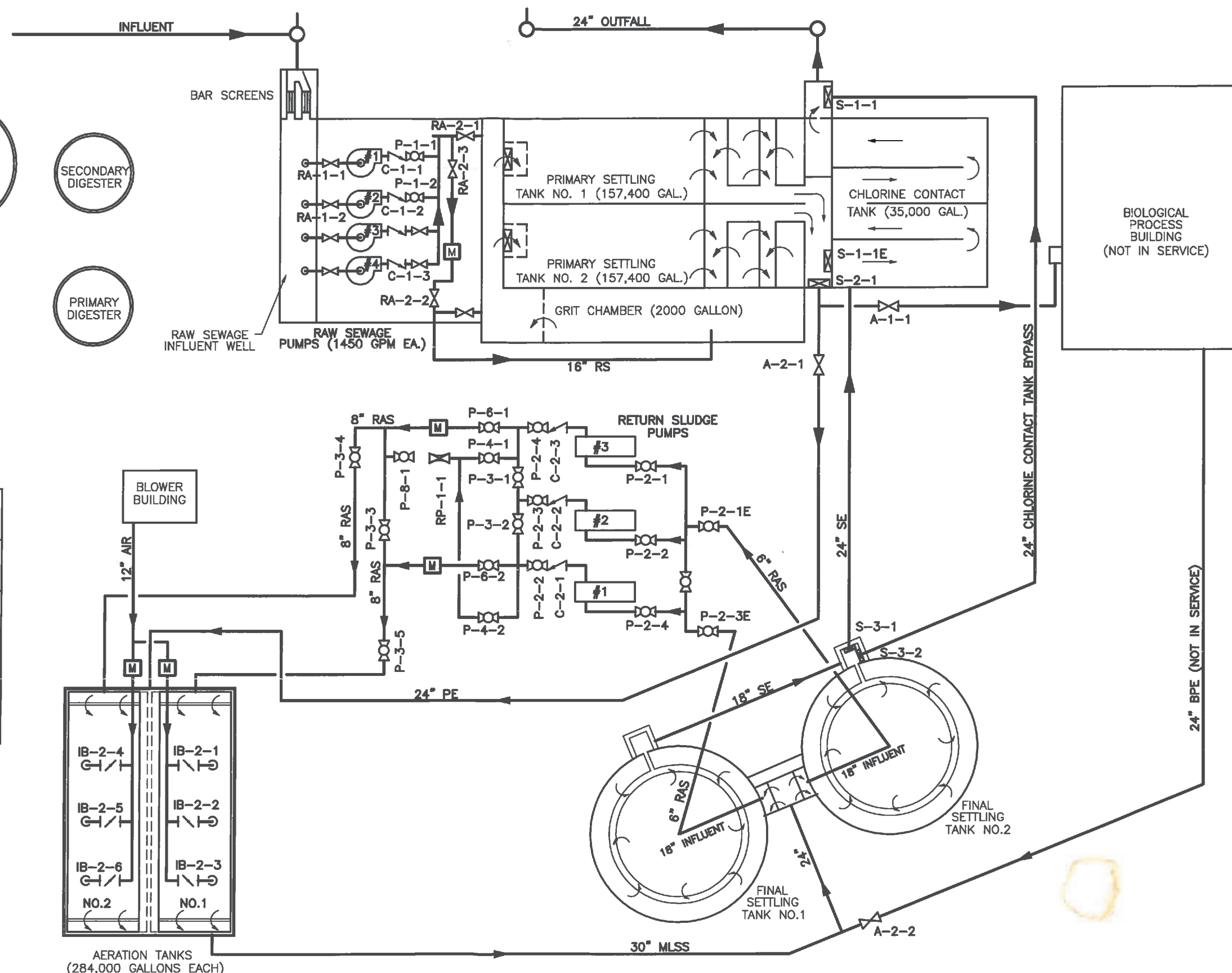
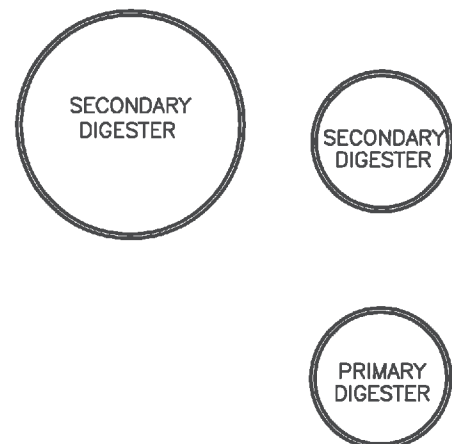
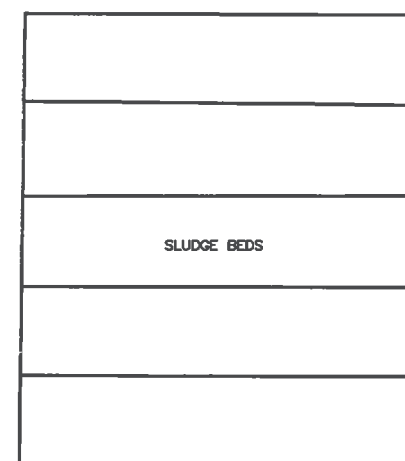


NO.	DATE	BY	CHKD.	DESCRIPTION
1	10/01/2010	AD	AD	ISSUED FOR PERMIT
2	10/01/2010	AD	AD	ISSUED FOR PERMIT
3	10/01/2010	AD	AD	ISSUED FOR PERMIT
4	10/01/2010	AD	AD	ISSUED FOR PERMIT
5	10/01/2010	AD	AD	ISSUED FOR PERMIT
6	10/01/2010	AD	AD	ISSUED FOR PERMIT
7	10/01/2010	AD	AD	ISSUED FOR PERMIT
8	10/01/2010	AD	AD	ISSUED FOR PERMIT
9	10/01/2010	AD	AD	ISSUED FOR PERMIT
10	10/01/2010	AD	AD	ISSUED FOR PERMIT

PROCESS FLOW SCHEMATIC

CITY OF MANISITQUE, MICHIGAN
WASTEWATER TREATMENT PLANT HEADWORKS IMPROVEMENTS
SCHOOLCRAFT COUNTY, MI





TETRA TECH MPS

BPE BIOLOGICAL PRIMARY EFFLUENT
 MLSS MIXED LIQUOR SUSPENDED SOLIDS
 PE PRIMARY EFFLUENT
 RAS RETURN ACTIVATED SLUDGE
 RS RAW SEWAGE
 SE SECONDARY EFFLUENT

SLUICE (OR SLIDE) GATE
 GATE VALVE
 CHECK VALVE
 INDUSTRIAL BUTTERFLY VALVE
 PLUG VALVE

CITY OF MANISTIQUE, MICHIGAN
 WASTEWATER TREATMENT PLANT
 PROCESS FLOW SCHEMATIC



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
DRINKING WATER AND ENVIRONMENTAL HEALTH DIVISION

SEPTAGE WASTE RECEIVING FACILITY

DISPOSAL AUTHORIZATION

Required under Part 117, 1994 PA 451, as amended.

Failure to comply may result in fines.

U.P. Septic Services, Inc.
Name of Licensed Septage Waste Servicer

75-04
EGLE License Number

I agree that the above licensed septage waste servicer/applicant* may dispose of septage waste at the location listed below:

WASTE
Manistique Water Treatment Plant, 321 Traders Point Dr.
MSTQ, MI 49854

The above referenced septage waste receiving facility (SWRF) is a Michigan Department of Environment, Great Lakes, and Energy (EGLE) authorized SWRF°, and that a fee may be charged for that disposal.

SWRF Superintendent Name (Print): Corey Barr

SWRF Superintendent Signature: Corey Barr Date: 1-1-2021

SWRF Superintendent's Email Address: water@mstg-water.com

*Septage waste shall only be accepted by the SWRF from licensed septage waste servicers. All Michigan licensed septage waste servicers can be found in the Septage Haulers Directory posted on the program website Michigan.gov/EGLESeptage, under *Online Services*.

°All EGLE authorized SWRFs can be found in the Septage Receiving Facility Directory on the Septage Waste Program website under *Online Services*.

If the SWRF is not listed, please call the Septage Program Coordinator at 517-256-6953.

AFFIDAVIT OF PUBLICATION



City of Manistique

PUBLIC NOTICE

**PROPOSED RESIDENTIAL ONLY SEPTAGE
RECEIVING FACILITY**

The City of Manistique will continue to receive, domestic septage waste on a limited basis in accordance with our developed operating plan.

The City of Manistique reserves the right to refuse any and all septage. All required laboratory testing will be conducted by the City and or another certified laboratory. All laboratory costs will be the responsibility of the owner/hauler of the septage waste.

The operating plan includes and describes: the location, hours of operation, types of septage waste accepted, fee structure, service area, and other conditions applicable to the receipt and acceptance of septage waste.

Copies of the proposed septage receiving facility operating plan have been submitted to the (1) hauler and are available for review and written comments at, The City of Manistique WWTP located at: 321 Traders Point Drive * Manistique, MI 49854, between 9:00 a.m. to 3:00 p.m., Monday through Friday. Holidays, Saturday and Sunday by appointment only.

Written comments concerning this plan should be submitted by June 21, 2021, to attention of:

Mr. Corey Barr
City of Manistique, Superintendent of Water/Wastewater
P.O. 515 • Manistique, MI. 49854


STATE OF MICHIGAN }
COUNTY OF SCHOOLCRAFT }

Lisa A. Demers, being duly sworn, deposes and says that a notice, a true copy of which is annexed hereto, was published in: the **MANISTIQUE PIONEER-TRIBUNE**, a newspaper printed May 20, 2021 and that she is the publisher of said newspaper and knows the facts stated herein.



Lisa A. Demers

Subscribed and sworn to before me this 23rd
day of June, 2021



Christine L. Rantanen
Schoolcraft County, Michigan
My Commission Expires 12/24/2023

