

Campbell, Matthew (DNRE)

From: Campbell, Matthew (DNRE)
Sent: Friday, December 17, 2010 11:15 AM
To: 'Dan Billingsley'
Cc: Lehmann, Robert (DNRE); McDowell, Thomas (DNRE); Person, Michael (DNRE); Burutolu, Ebinimi (DNRE); 'Bryant Wilke'; 'Larry Johnson'; 'Tip MacGuire'
Subject: Bridgeport SWRF Amended Op. Plan Approval

Dear Mr. Billingsley:

SUBJECT: Septage Receiving Facility Operating Plan Approval
Bridgeport Township Wastewater Treatment Plant
Septage Waste Receiving Facility

Review of the Bridgeport Township Wastewater Treatment Plant septage waste receiving facility (SWRF) operating plan is complete. The operating plan is approved and meets the requirements outlined in Section 11715b of Part 117, Septage Waste Services, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. The plan will be posted on the Department of Natural Resources and Environment (DNRE) Septage Waste Program web page www.michigan.gov/septage. It can be viewed by clicking on "Approved Septage Waste Receiving Facility Operating Plans" located under "Program Forms/Downloads". The Bridgeport Township SWRF service area will now extend 25 radial miles. We recommend that you contact the licensed septage waste businesses within the counties impacted by the service area extension.

Please be advised that DNRE Saginaw District Office, Water Resources Division engineering staff recommend using 6,000 mg/L BOD5 when calculating the loading for septage waste. This is equivalent to 375 lbs. of BOD/day, which is about 18% of the total for the Bridgeport Township SWRF received in a given day. It is recommended that Bridgeport Township considers using an upper limit of 5,000 gallons (two truckloads) of septage waste per day since your facility can store this amount in the plant's receiving tank. If the septage waste can be sent to the digesters, then the 3 truckload upper limit would likely not cause an overloading problem for the plant.

Please be advised that the Bridgeport Township SWRF must operate in accordance with the approved plan. If a change in operations or conditions (including fees charged to treat septage waste) is anticipated, please file an amendment to the plan at least thirty (30) days prior to the proposed date for implementation.

Thank you for your continued environmental stewardship and service to those with on-site septic systems in and around your community. If you have any questions regarding this matter, please contact me.

Matthew Campbell
Septage Waste Program Coordinator
Solid Waste and Land Application Section
Onsite Wastewater Unit
Environmental Resource Management Div. - MDNRE
517-335-4178
www.michigan.gov/septage

12/17/2010

**BRIDGEPORT CHARTER TOWNSHIP WASTEWATER TREATMENT PLANT
SEPTAGE RECEIVING FACILITY OPERATING PLAN**

December 15, 2010

The following operating plan is submitted for MDEQ review and approval based on revisions to Part 117, Septage Waste Servicers, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Part 117) to maintain compliance for this existing receiving facility. The Bridgeport Charter Township Wastewater Treatment Plant (WWTP) has been and will continue to receive domestic septage waste to serve Bridgeport Charter Township residents, and is proposing to increase the service area to 25 radial miles so septage waste pumped from outside of the township will be accepted for treatment at the WWTP.

A. Location of Septage Receiving Station

- The 'Septage Tank Unloading Station' is located at the influent headwork's of the Bridgeport Charter Township Wastewater Treatment Plant, 4640 Marlea Lane, Bridgeport, MI 48722. This septage receiving station consists of a tank that the septage haulers dump directly into. At a certain level, the tank is allowed to drain to the Influent Chamber where it is pumped than mixed with the raw influent sewage entering the WWTP.

B. Hours of Operation

- The facility is open from 7:30 AM to 3:30 PM Monday through Friday.

C. Category of Septage Waste the receiving facility will receive

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

D. Fee Structure Charged to Hauler to Dispose of Septage for Treatment

- \$3.00 for RV tanks from Township residents only.
- Fees are based on Truck Capacity, not on what is loaded on the truck. If the Septage truck is only half full the charge will be for a full truck. Approved Licensed Hauler charges for service area are:

1) 0 to 150 gallons	\$12.00
2) 151 to 300 gallons	\$17.00
3) 301 to 750 gallons	\$28.00
4) 751 to 1200 gallons	\$39.00
5) 1201 to 1650 gallons	\$45.00
6) 1651 to 2100 gallons	\$50.00
7) 2101 to 2500 gallons	\$56.00
8) 2501 to 4000 gallons	\$90.00
9) Over 4000 gallons – by arrangement.	

E. Service Area of Septage Receiving Station

- The service area includes Bridgeport Charter Township Residents and all of the area within a 25 mile radius of the WWTP.

F. Other Conditions:

- The WWTP receiving the septage has more than enough hydraulic and treatment capacity as shown below:

Average Design Flow:	3.4 MGD
Peak Flow:	11.0 MGD
Minimum Flow:	1.0 MGD
Current Average Flow:	0.92 MGD

- Design Raw Sewage Loading (Based on 3.41 MGD)

BOD :	96 mg/l (2730 #/day)
SS:	95 mg/l (2701 #/day)
P	5 mg/l (142 #/day)
NH3-N	20 mg/l (560 #/day)

- Volume of Septage Received: An Average of approximately 2,500 gallons or less of septage is received on a weekly basis. Peak Septage volume accepted is 7,500 gallons per day and no more than 15,000 gallons per week.
- Septage Quality: Only pH is tested prior to acceptance and septage must be in pH range of 6 to 9 to be acceptable. Odor is not an issue as it is pumped to and held, in a closed tank at the receiving station.

G. Organic Load Limits

Concentrations of typical residential Septage is as follows:

CBOD5	6480 mg/L
TSS	3.4%
Phosphorus	1%
Nitrogen	2%
Grease/Oils	6-12%

(Data from Table 2.3 – EPA 833-B-98-003 September 1999)

H. Prohibited Discharges

- General Prohibitions. No user shall introduce or cause to be introduced into the Publicly owned treatment works (POTW) any pollutant or wastewater which causes pass through or interference with the WWTP to violate its National Pollution Discharge Elimination System permit, or its Biosolids management program. These general prohibitions apply to all users of the POTW whether or not they are subject to categorical pretreatment standards or any other federal, state or local pretreatment standards or requirements.
- Specific Prohibitions. No user shall introduce or cause to be introduced into the POTW the following pollutants, substances or wastewater:
 - 1) Pollutants which create a fire or explosion hazard at the POTW, including but not limited to, waste streams with a closed cup flash point of less than 140 degrees Fahrenheit or 60 degrees centigrade using the test methods specified in 40 CFR 261.21.
 - 2) Wastewater having a pH less than 6.0 or greater than 9.0.
 - 3) Solids or viscous substances in amounts or of such size which will cause obstruction of the flow in POTW.
 - 4) Pollutants, including oxygen-demanding pollutants released in a discharge at a flow rate and/or concentration which will cause interference with the POTW.
 - 5) Petroleum oils, non-biodegradable cutting oil, or products of mineral oil origin, in amounts that will cause interference or pass through.

**Notice of Proposed Septage Operating Plan
Bridgeport Charter Township Wastewater Treatment Plant
Bridgeport, MI**

The Bridgeport Charter Township Wastewater Treatment Plant (WWTP) is currently receiving domestic septage waste and will continue to receive domestic septage waste for treatment in order to serve Bridgeport Charter Township residents and the surrounding communities.

A copy of the proposed operating plan is available for review during normal business hours at the Bridgeport Charter Township WWTP, 4640 Marlea Lane, Bridgeport, MI.

Written comments on the proposed operation of the receiving facility shall be received for 30 days following the publication of this notice. Address all written comments to Dan Billingsley, Bridgeport Charter Township WWTP, 6206 Dixie Highway, Bridgeport, MI 48722

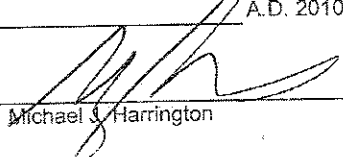
**Web Site:
bridgeportmi.org
then select department : waste water**

STATE OF MICHIGAN, }
County of Saginaw } ss.

TO: Bridgeport Charter Township
6206 Dixie Hwy., Bridgeport, MI 48722

Michael J. Harrington, being first duly sworn, says that he is the publisher of **THE BIRCH RUN/BRIDGEPORT HERALD** 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.

September 29,	A.D. 2010	_____	A.D. 2010
_____	A.D. 2010	_____	A.D. 2010
_____	A.D. 2010	_____	A.D. 2010
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Michael J. Harrington

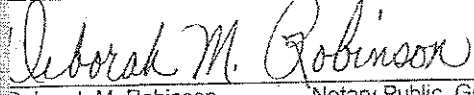
NOTICE OF PROPOSED SEPTAGE OPERATING PLAN BRIDGEPORT CHARTER TOWNSHIP WASTEWATER TREATMENT PLANT BRIDGEPORT, MI

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Subscribed and sworn to before me this 29th day of September A.D. 2010



Deborah M. Robinson Notary Public, Genesee County, Michigan
(Acting in Saginaw County)
My Commission Expires November 7, 2012

