



## REGULATION OF SEPTAGE DISPOSAL IN MICHIGAN

The licensing of septic cleaners is required per Part 117, Septage Waste Servicers, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. The Michigan Department of Environment, Great Lakes, and Energy (EGLE), Drinking Water and Environmental Health Division administers the septage program with the assistance of participating county health departments.

Establishing and maintaining records is a part of every business, including septage pumping and hauling. The maintenance of septage pumping and disposal records is required in Section 11703 (5) of part 117. Further, under federal regulations (40CFR 503) adopted in 1993 by the U.S. Environmental Protection Agency, a record of septage application must be kept for five years following application. This record must include:

1. Date and time of septage application.
2. Location of septage application site (street address or latitude/longitude).
3. The area, in acres, where septage was applied.
4. The gallons of septage applied.
5. The crop grown on the site and its expected yield.
6. Method used to reduce pathogens.
7. Method used to reduce vector attraction.

The licensed septic cleaner who pumps food establishment septage (FES) must track this waste. Part 117 requires the hauler to mix FES so the ratio is 1:3 or 1 part FES to 3 parts domestic septage prior to land application or disposal at a treatment facility (Sec. 11701[i]).

The federal certification statement regarding pathogen and vector attraction reduction included on each septage application report (see figure 2 below). The certification statement must be included each time the septage firm land applies septage if the septage firm changes the method used for pathogen and vector attraction reduction (in accordance with 40CFR 503).

Figure 1 is the septage volume pump record and figure 2 is the land application of domestic septage report.







<b>pH Correction Chart</b>			
<b>Temperature (Celsius)</b>	<b>pH Correction</b>	<b>Temperature (Celsius)</b>	<b>pH Correction</b>
0	-0.75	25	0.00
1	-0.72	26	0.03
2	-0.69	27	0.06
3	-0.66	28	0.09
4	-0.63	29	0.12
5	-0.60	30	0.15
6	-0.57	31	0.18
7	-0.54	32	0.21
8	-0.51	33	0.24
9	-0.48	34	0.27
10	-0.45	35	0.30
11	-0.42	36	0.33
12	-0.39	37	0.36
13	-0.36	38	0.39
14	-0.33	39	0.42
15	-0.30	40	0.45
16	-0.27	41	0.48
17	-0.24	42	0.51
18	-0.21	43	0.54
19	-0.18	44	0.57
20	-0.15	45	0.60
21	-0.12	46	0.63
22	-0.09	47	0.66
23	-0.06	48	0.69
24	-0.03	49	0.72
25	0.00	50	0.75

**pH Meter Calibration Log**

<b>Date/Time</b>	<b>Slope</b>	<b>Date/Time</b>	<b>Slope</b>



**SEPTAGE VOLUME LOG TOTALS FOR ANNUAL SUBMITTAL TO EGLE**

*This information is required by authority of Part 117, 1994 PA 451, as amended.  
 Failure to submit this information is a misdemeanor.*

YEAR \_\_\_\_\_

Be sure to add the site number, total for each month, and then total for all sites. Add total for each wastewater treatment plant (WWTPs) and then total for all plants. Then place a GRAND TOTAL at the end for all septage pumped per month. Also add yearly totals at the bottom for each site and/or WWTP.

MONTH	STORAGE TANK (Do not add to totals)	SITE # _____	SITE # _____	SITE # _____	SITE # _____	SITE TOTALS	WWTP _____	WWTP _____	WWTP TOTALS	GRAND TOTAL
January										
February										
March										
April										
May										
June										
July										
August										
September										
October										
November										
December										
<b>Yearly Total</b>										

**NOTE:** MAKE ADDITIONAL COPIES IF YOU NEED TO ADD ADDITIONAL LAND SITES OR WWTPS.

Business Name \_\_\_\_\_ Owner Name \_\_\_\_\_ EGLE License No. \_\_\_\_\_