

# Compliance inspection report form

## Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

### Instructions:

Control Agency (MPCA) website at

Instructions for filling out this form are located on the Minnesota Pollution

### Property information

Local tracking number:

Parcel ID# or Sec/Twp/Range: 2102921130012 Reason for Inspection TRANSFER OF DEED

Local regulatory authority info: WASHINGTON COUNTY

Property address: 8656 27TH ST N, CITY OF LAKE ELMO

Owner/representative: LELAND THOMAS R Owner's phone: 612-384-1684

Brief system description: Replacement system from 2017.  
2-1000 gallon septic tanks, 1000 pump tank to mound

### System status

System status on date (mm/dd/yyyy): 7/11/2024

**Compliant – Certificate of compliance\***

**Noncompliant – Notice of noncompliance**

*(Valid for 3 years from report date unless evidence of an imminent threat to public health or safety requiring removal and abatement under section 145A.04, subdivision 8 is discovered or a shorter time frame exists in Local Ordinance.)*

*Systems failing to protect ground water must be upgraded, replaced, or use discontinued within the time required by local ordinance.*

**\*Note: Compliance indicates conformance with Minn. R. 7080.1500 as of system status date above and does not guarantee future performance.**

*An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance or under section 145A.04 subdivision 8.*

#### Reason(s) for noncompliance (check all applicable)

- Impact on public health (Compliance component #1) – *Imminent threat to public health and safety*
- Tank integrity (Compliance component #2) – *Failing to protect groundwater*
- Other Compliance Conditions (Compliance component #3) – *Imminent threat to public health and safety*
- Other Compliance Conditions (Compliance component #3) – *Failing to protect groundwater*
- System not abandoned according to Minn. R. 7080.2500 (Compliance component #3) – *Failing to protect groundwater*
- Soil separation (Compliance component #5) – *Failing to protect groundwater*
- Operating permit/monitoring plan requirements (Compliance component #4) – *Noncompliant - local ordinance applies*

#### Comments or recommendations

### Certification

*I hereby certify that all the necessary information has been gathered to determine the compliance status of this system. No determination of future system performance has been nor can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage.*

**By typing my name below, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.**

Business name: SS Septic Solutions, LLC. Certification number: 9917

Inspector signature: Shelley Schlomka License number: 4137

*(This document has been electronically signed)*

Phone: 651-343-9117

### Necessary or locally required supporting documentation

- Soil observation logs
- System/As-Built
- Locally required forms
- Tank Integrity Assessment
- Operating Permit
- Other information (list):



Property Address: 8656 27TH ST N, CITY OF LAKE ELMO

Business Name: SS Septic Solutions, LLC.

Date: 7/11/2024

### 1. Impact on public health – Compliance component #1 of 5

**Compliance criteria:**

System discharges sewage to the ground surface	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System discharges sewage to drain tile or surface waters.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System causes sewage backup into dwelling or establishment.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**Attached supporting documentation:**

- Other: \_\_\_\_\_
- Not applicable

**Describe verification methods and results:**

### 2. Tank integrity – Compliance component #2 of 5

**Compliance criteria:**

System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, which sewage tank(s) leaks:	

**Attached supporting documentation:**

- Empty tank(s) viewed by inspector
  - Name of maintenance business: Meyers
  - License number of maintenance business: \_\_\_\_\_
  - Date of maintenance: 7/11/2024
- Existing tank integrity assessment (Attach)
  - Date of maintenance (mm/dd/yyyy): \_\_\_\_\_ (must be within three years)
- (See form instructions to ensure assessment complies with Minn. R. 7082.0700 subp. 4 B (1))
- Tank is Noncompliant (pumping not necessary – explain below)
- Other: \_\_\_\_\_

**Describe verification methods and results:**

Tanks water tight at time of inspection.



**3. Other compliance conditions – Compliance component #3 of 5**

3a. Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or unsecured?

Yes  No  Unknown

3b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety?  Yes  No  Unknown

3c. System is non-protective of ground water for other conditions as determined by inspector?  Yes  No

3d. System not abandoned in accordance with Minn. R. 7080.2500?  Yes  No

**Describe verification methods and results:**

Attached supporting documentation:  Not applicable

**4. Operating permit and nitrogen BMP\* – Compliance component #4 of 5  Not applicable**

Is the system operated under an Operating Permit?  Yes  No If "yes", A below is required

Is the system required to employ a Nitrogen BMP specified in the system design?  Yes  No If "yes", B below is required

*BMP = Best Management Practice(s) specified in the system design*

***If the answer to both questions is "no", this section does not need to be completed.***

**Compliance criteria:**

a. Have the operating permit requirements been met?  Yes  No

b. Is the required nitrogen BMP in place and properly functioning?  Yes  No

**Describe verification methods and results:**

Attached supporting documentation:  Operating permit (Attach)



### 5. Soil separation – Compliance component #5 of 5

Date of installation 9/15/2017  Unknown  
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging?  Yes  No

**Compliance criteria (select one):**

5a. For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead Protection Area or not serving a food, beverage or lodging establishment:  Yes  No  
 Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.

5b. Non-performance systems built April 1, 1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment:  Yes  No  
 Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.\*

5c. "Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules 7080. 2350 or 7080.2400 (Intermediate Inspector License required ≤ 2,500 gallons per day; Advanced Inspector License required > 2,500 gallons per day)  Yes  No  
 Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.

**Attached supporting documentation:**

- Soil observation logs completed for the report
- Two previous verifications of required vertical separation
- Not applicable (No soil treatment area)
- \_\_\_\_\_

**Indicate depths or elevations**

A. Bottom of distribution media	+12"
B. Periodically saturated soil/bedrock	26"
C. System separation	38"
D. Required compliance separation*	36"

\*May be reduced up to 15 percent if allowed by Local Ordinance.

**Describe verification methods and results:**

10' x 45' mound installed in 2017 after the last system failed.

**Upgrade requirements:** (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, the system must be upgraded, replaced, or its use discontinued within the time required by local ordinance. If an existing system is not failing as defined in law, and has at least two feet of design soil separation, then the system need not be upgraded, repaired, replaced, or its use discontinued, notwithstanding any local ordinance that is more strict. This provision does not apply to systems in shoreland areas, Wellhead Protection Areas, or those used in connection with food, beverage, and lodging establishments as defined in law.



# Log Of Soil Borings

Location: **6656 27th St Lake County, MN**

Date: **8-26-17**

Boring Hole Depth In Inches	Texture	Color	Boring Hole Depth In Inches	Texture	Color
B1			B5		
0-4	LOAM	10YR 5/3			
4-10	SANDY LOAM	10YR 5/4			
10-17	SILT	10YR 3/2			
17-42	SANDY LOAM	10YR 4/6			
42-63	SANDY LOAM	10YR 4/4	B6		
B2					
0-6	LOAM	10YR 7/3			
6-26	SANDY LOAM	10YR 4/4			
26-40	CLAY	10YR 4/6			
40-60	Medium Coarse Sand	10YR 4/4			
B3			B7		
0-3	LOAM	10YR 3/3			
3-18	SILT	10YR 4/3			
18-30	SILT	10YR 4/4			
30-48	SILT / Redox	10YR 4/6			
48-62	Medium Coarse Sand	10YR 4/4	B8		
B4					
0-4	LOAM	10YR 5/3			
4-27	SILT	10YR 3/2			
27-42	CLAY / Redox	10YR 4/4			
42-63	SANDY LOAM Redox	10YR 4/6			



# OSTP Design Summary Worksheet



### At-Grade Design Summary

Absorption Bed Width  ft      Absorption Bed Length  ft      System Height  ft  
 Absorption Bed Area  ft<sup>2</sup>      Upslope Berm Width  ft      Downslope Berm Width  ft  
 Endslope Berm Width  ft      System Length  ft      System Width  ft

### Pressure Distribution Summary

No. of Perforated Laterals       Perforation Spacing  ft      Perforation Diameter  in  
 Lateral Diameter  in      Supply Pipe Diameter  in      Minimum Dose Volume  gal  
 Flow Rate  GPM      Total Head  ft      Maximum Dose Volume  gal

### 5. Additional Info for Type IV/Pretreatment Design

#### A. Calculate the organic loading using option 1 or 2

1. Organic Loading = Pounds of BOD X Units

lbs/day X  =  lbs BOD/day

2. Organic Loading to Pretreatment Unit = Design Flow X Estimated BOD in mg/L in the effluent X 8.35 + 1,000,000

gal X  mg/L X 8.35 + 1,000,000 =  lbs BOD/day

B. Type of Pretreatment Unit Being Installed:

C. Calculate Soil Treatment System Organic Loading: lbs. BOD/day + Bottom Area = lbs/day/ft<sup>2</sup>

lbs/day +  ft<sup>2</sup> =  lbs/day/ft<sup>2</sup>

### Comments/Special Design Considerations:

Properly abandon existing tank. Rock or chambers may be used per installer decision. Do not drive on STA. A variance may be required in regards to lot lines, but this is the only place the septic can go due to the gas line on the Eastern side of the yard and the existing drainfield.

I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.

Dave Brown  
(Designer)

(Signature)

L3649  
(License #)

06/28/17  
(Date)

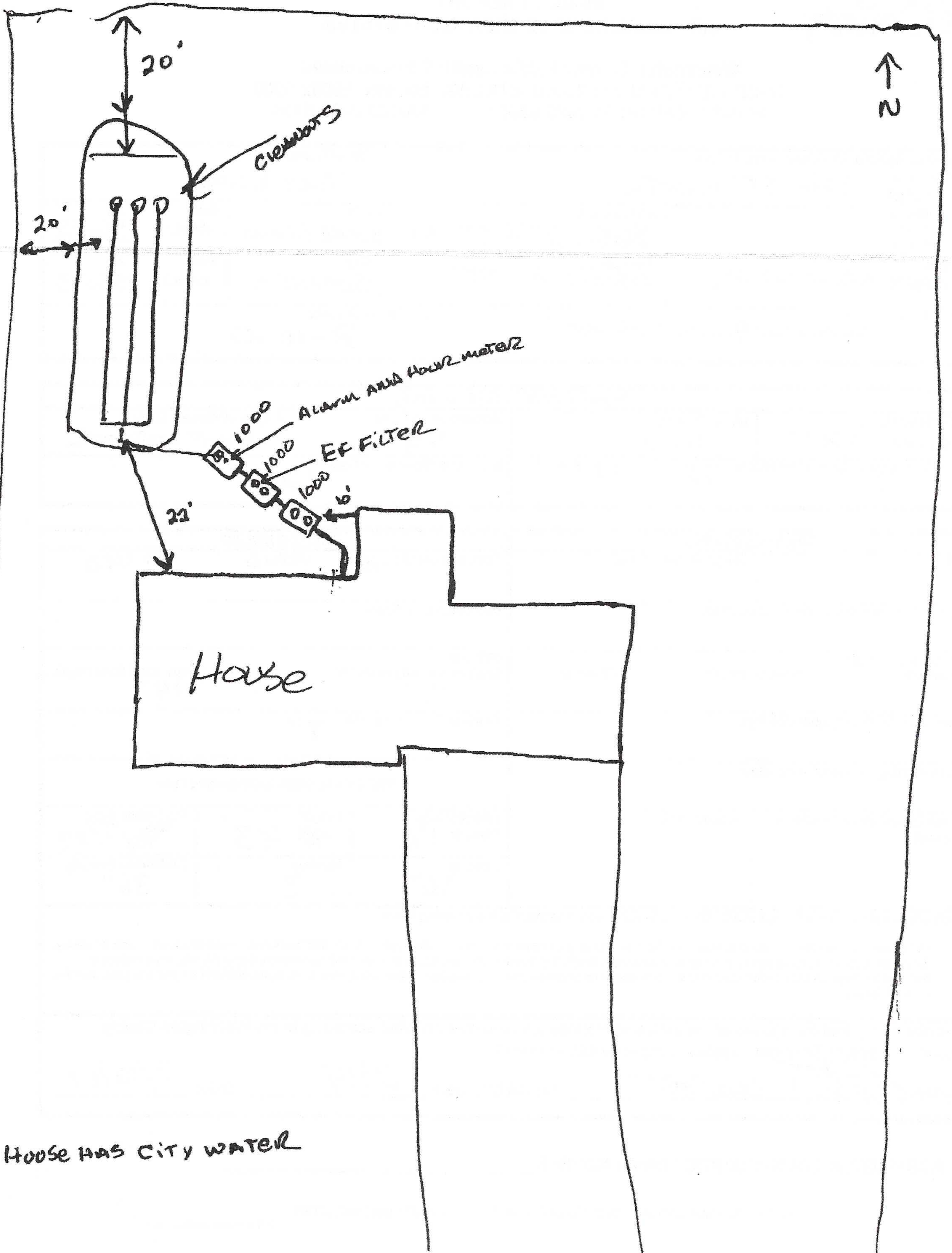
#2







8656 272 ST N LAKE ELMO



HOUSE HAS CITY WATER



### SS Septic Solutions, LLC additional terms and information.

1. SS Septic Solutions, LLC has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period beyond the inspection date. Due to numerous factors (usage, maintenance, tank pumping, soil characteristics, previous failures, etc.) which may affect the proper operation of a septic system. The report shall not be construed as a warranty that the system will properly function for any period.
2. Minimum compliance inspection requirements relative to this inspection and this report include only verification that the septic system has a watertight septic tank(s) and lift tank, the required separation from the bottom of the drain field/mound distribution medium and saturated soils, no backup of sewage into the dwelling and no discharge of sewage onto the ground surface or surface water. SS Septic Solutions, LLC does not inspect basement sewage ejector pumps or exterior lift pumps as they are a maintenance item. Sewage backup verification is limited to the information supplied by the last occupants/owner if available. I cannot guarantee that the information given to me is accurate. Some people may attempt to hide or conceal signs of previous backups.
3. Certification of this system does not warranty any future use beyond the date of inspection. Any system, new or old, can be hydraulically overloaded because of more people moving into the house than were previously occupying it, improper maintenance, heavy usage, tree roots, freezing conditions, or surface drainage problems. The system could simply stop working due to age.
4. A compliance inspection is not meant to be a test of the longevity of the septic system. The inspection is strictly for the purpose of determining if the septic is polluting the environment at the date and time the inspection is performed. The inspection is not intended to determine if the system was originally designed or installed to past or present MPCA or local unit of government code requirements.
5. Winter Work – Client understands that inspections conducted in winter weather conditions are more difficult to perform due to snow cover and frost. Septic system components like tanks, tank covers, drop boxes and soil treatment areas are more difficult to locate in these conditions. Soil borings and drain field locations are also more difficult to perform due to ground frost. The client needs to understand that due to the weather conditions, the same level of standards may not be possible compared to an inspection during the spring/summer/fall months.
6. If hired to perform the compliance inspection, the client hereby agrees that SS Septic Solutions, LLC will not be responsible for any monetary damages, claims or causes of action including attorney fees arising from the performance of this inspection.
7. Nothing other than gray water (laundry, showers, etc.) human waste and toilet tissue should be disposed of into the septic tanks. Garbage disposals are not recommended. Smaller amounts of laundry, soaps, dish soap, cleaning agents, etc. are better for the system. Antibacterial soaps and chlorine agents may kill the bacteria needed to treat effluent properly. Additives are not recommended and may be harmful to your system. Recommend to pump and clean your tanks by a certified pumper every other year if you have 1 tank and every 2-3 years if you have a 2-tank system to ensure proper maintenance.