

Septic As-Built and Inspection Form

This is your Certificate of Compliance

☒ Compliant ☐ Noncompliant

Date of Installation: 6/6/24 Permit #Z- 2024-3710 Parcel # 05.0209.000
Property Owner: William Waytashek Property Address: 28474 163rd St, Pierz

GENERAL

System Type: ☒ I ☐ II ☐ III ☐ IV ☐ V

Design flow: 450

☐ New system ☒ Replacement system

Shoreland ☐ yes ☒ no

Food/Lodging/Commercial ☐ yes ☒ no

TANK(S)

Holding Tank(s) only ☐ yes ☒ no

Tank 1 ☒ New ☐ Existing

Make: Saehr Size: 1500/2

Depth: 2' Insulated ☐ yes ☒ no

Tank 2 ☐ New ☐ Existing

Make: _____ Size: _____

Depth: _____ Insulated ☐ yes ☐ no

Tank 3 ☐ New ☐ Existing

Make: _____ Size: _____

Depth: _____ Insulated ☐ yes ☐ no

PUMP

Brand & Size: 283 Liberty 1/2HP

☒ Demand Dose ☐ Time Dose

Alarm Type: ☒ Electric ☐ Manual

Alarm Location: ☒ Indoor ☐ Outdoor

For Office Use Only:

☒ Excel ☒ Attach Docs ☒ Upload

☒ Date on parcel ☒ Deliver

Initials HK Date 6/13/24

SOIL TREATMENT AREA

☐ Existing soil treatment area

☐ Holding tank only

☐ Vac test ☐ Water test by installer

☒ Pressurized System

☐ Gravity System

☐ Trenches ☐ Chambers ☐ At-Grade

☒ Mound ☐ Seepage Bed

Dimensions of rock bed/trenches/chambers:

10x40

Laterals: 3 Pipe Diameter: 2"

Perf size: 1/4" Perf Spacing: 3'

Number of cleanouts: 3

Inspection pipe(s): ☒ Secured ☐ Clear of Rock

Media bottom depth: 12" sand lift

Restrictive layer depth: 84" (5' of ~~50%~~ "bedrock"

50% rock between)
≥ 3' Separation? ☒ Yes ☐ No

MATERIALS

Total Rock Depth: 1'

Rock Depth Below Pipe: 6"

Rock source: Saehr

Clean sand depth ("sandlift"): 1'

Sand source: Saehr

Depth of cover: 18"

Seeding by: ☐ Property Owner ☒ Installer

Elevations

Benchmark Location: NW corner of house

Benchmark Elevation: 2.5' = 100'

Bottom of media: 3' = 99.5'
grade = 98.5'

Restrictive Layer: 91.5

System Separation: 7'

Site Sketch

*Indicate: North, slope direction, benchmark, soil verification location

53' Tank to house

125' Tank to well

 Tank to pump tank

20' Tank to drainfield

60' Tank to prop. line

 Tank to OHWM

 Pump tank to house

 Pump tank to well

 Pump tank to drainfield

 Pump tank to prop. line

 Pump tank to OHWM

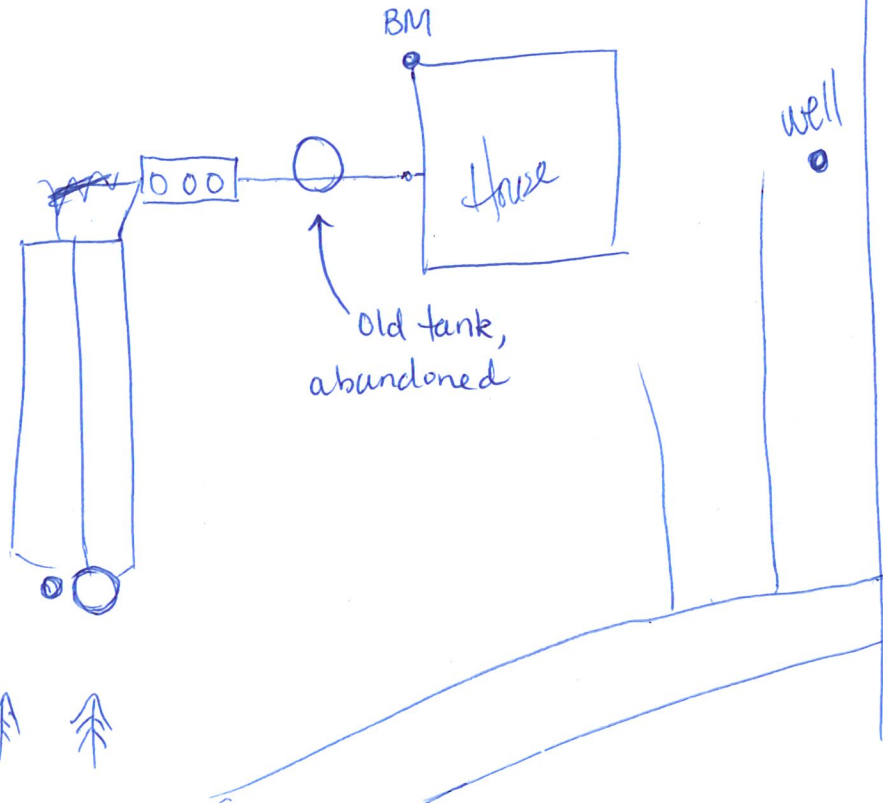
75' Drainfield to house

 Drainfield to well

40' Drainfield to prop. line

 Drainfield to OHWM

75' Supply pipe to well



Notes:

Installer: A's Seasonal Services LLC
Company Name

[Signature]
Signature

4181
License #

Inspector: Hannah Kruse
Print Name

[Signature]
Signature

Cert #

CERTIFIED STATEMENT: The work done on this system has been completed in accordance with the design submitted with this permit and MN Rule 7080 requirements. Morrison County waives all responsibility of future hydraulics because of abuse, water use, or maintenance. System compliance is valid for five years from date of inspection on new system components.

Additional Documentation (attach as applicable)

☒ Tank Sheet(s) ☐ Pressure Test ☒ Abandonment Form ☐ Soil Log ☐ Vac test ☐ Other



**Minnesota Pollution
Control Agency**

520 Lafayette Road North
St. Paul, MN 55155-4194

SSTS Abandonment Reporting Form

Subsurface Sewage Treatment Systems (SSTS) Program

Instructions

This form is offered to meet the abandonment requirements of Minn. R. 7080.2500 and Disclosure Requirements of Minn. Stat. § 115.55, subd. 6. Future water supply well placement can also be affected by an abandoned SSTS.

The use of this form is not mandatory; however the information on this form must be submitted to the local government unit (LGU) within 90 days after the abandonment. This form may be completed by a certified SSTS practitioner or by an individual who has direct knowledge of how the system was abandoned.

Property Information

Date of abandonment: 6/5/24 Reason for abandonment: New System

Property owner name(s): William Waytashek

Property owner's address: 32052 153rd St

City: Pic12 State: MN Zip: 56364

Site address (if different): 28474 163rd St

City: Pic12 State: MN Zip: 56364

Compliance Information

1. All solids and liquids removed from all tanks? ☒ Yes ☐ No
Disposal Site: Were empty, house has not be occupied

2. All electrical devices and devices containing mercury removed? ☒ Yes ☐ No
Disposal Site: Was None

3. All underground sewage tanks crushed and filled with soil or rock material? ☒ Yes ☐ No or
Removed and disposed off site? ☐ Yes ☐ No
Disposal Site: _____

4. Contaminated materials* removed and disposed off site? ☒ Yes ☐ No
Disposal Site: Wasn't any.

5. All underground cavities** crushed and filled with soil or rock material? ☒ Yes ☐ No or:
Removed and disposed off site? ☐ Yes ☐ No
Disposal Site: _____

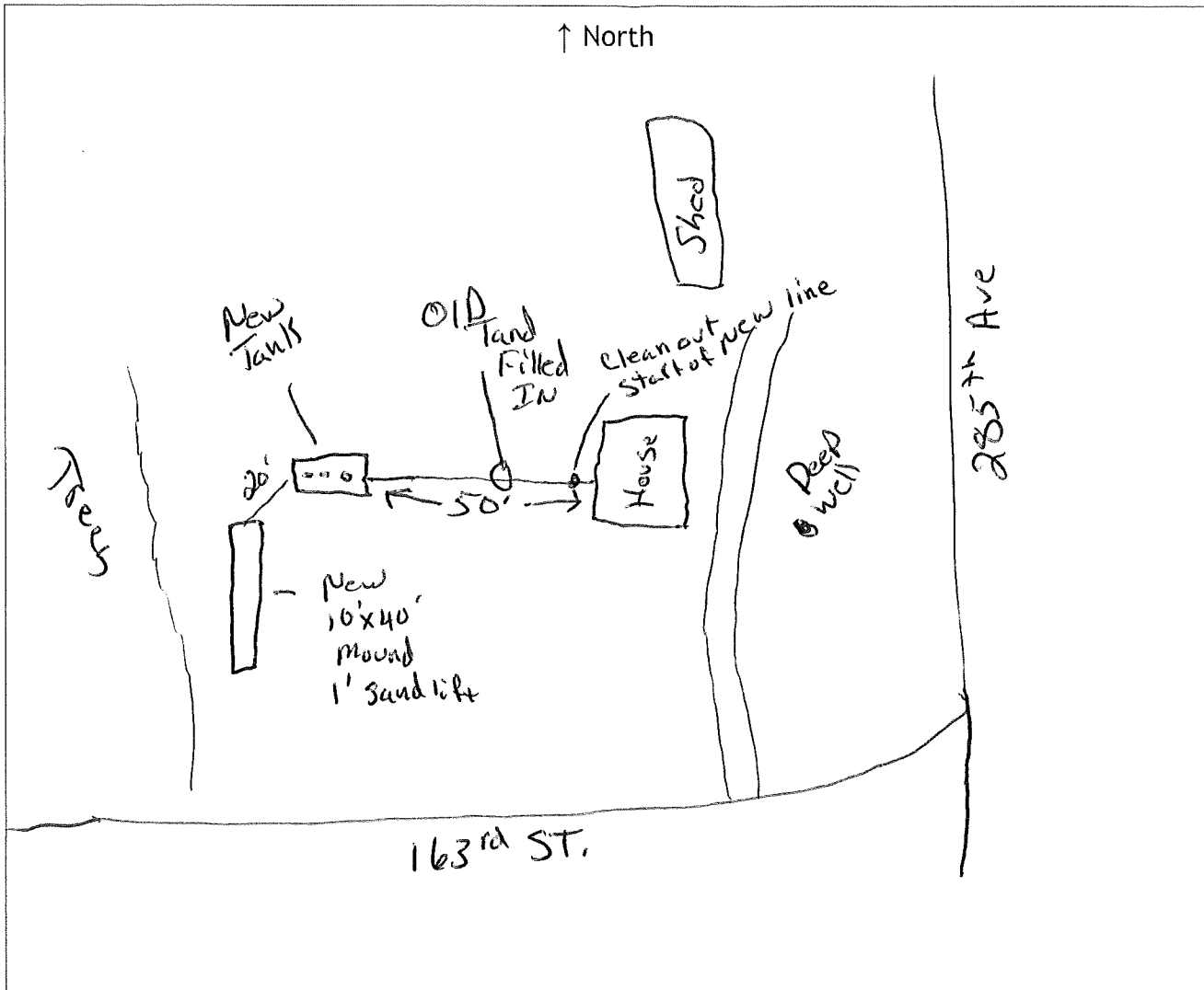
6. Future discharge to system permanently denied? ☒ Yes ☐ No
Method(s) used: _____

*Contaminated materials = Distribution media, soil or sand within three feet of the system bottom, distribution pipes, geotextile fabric/rosin paper/straw, tanks, contaminated soil around leaking tanks, any soil that received sewage from a surface failure (7080.2500 subp.3).

**Underground cavities = Cesspools, leaching pits, drywells, seepage pits, vault privies, pit privies, pump chambers (7080.2500 subp. 1). Does not include chamber media, drop boxes, or distribution boxes.

Map

Include location of building sewer, septic tank(s), soil dispersal system, cesspools, seepage pits, and other pits. Also include a permanent reference point(s) and dimensions.



Certification

I hereby certify the system was abandoned in accordance with Minn. R. 7080.2500 and any local requirements.

Name (please print): Alan Brixius Title: Owner Al's Sc
Address: 23161 Jewel Rd
City: Little Falls State: mn Zip: 56345
Phone: 763-498-9249 License # if applicable): 4181
Date: 6-5/24 Signature: Alan Brixius



21947 Co. Rd. 3
Merrifield, MN, 56465
218-829-9678 or 800-829-5755

Tank Installation Instructions

Site Conditions

The site must be accessible for a heavy truck 10.5' wide, 13' height, 28' – 35' long and heavy weight up to 75,000 lbs. Free of items like trees, stumps, sharp objects, construction materials, vehicles, ext. Notified of overhead wires and/or underground wires, gas lines, old tanks ext. trucks must be on flat level ground conditions may vary and might interfere with the delivery or installation 3' to 6' from placement of tank for installing.

Excavation

Excavation should be 12" minimum larger than length and width of tank size to allow adequate backfill. Excavation should be level on the bottom so the weight bears on outside of tank walls and 4" greater than invert height to allow proper bedding. This may vary with soil conditions

Bedding

Proper bedding material is important to ensure service life of the tanks structure. Bedding must be capable of bearing the weight of a full tank. Bedding material shall have the ability of 100% to be able to pass through $\frac{3}{4}$ inch screen. Bedding thickness shall be 4" minimum compacted (thickness may vary with existing soil conditions)

Joint seal

Mid seam tanks or tanks that need to be set in two pieces need to be cleaned, dried, and properly place according to the manufactures recommendations for models-SCP2400,SCP2450,SCP2250,SCP2500,SCP2800,SCP2850,SCP2950, tanks

Water Table

When tanks are being placed where water levels can potentially be higher than the elevation of the tank cover, an alternate location should be considered.

Backfill material

Sidewall of tanks require dry backfill materials that have the ability of 100% to be able to pass through a 2" screen and a minimum of 12" on all sides from bottom to top of tank. Backfill material shall be placed to avoid loads on the sidewall of the tank.

Cover Material

Cover material shall be dry soil, materials that have the ability of 100% to be able to pass through a 4" screen. Cover material shall be mounded over tank and around risers to direct run-off away from tank and risers.

Risers

All risers on tanks should be completely sealed to prevent water from coming in around them into the tank. Sealant used should be placed between the tank and the riser. Sealant should be placed on clean dry surface and full circumference of riser should be placed on the sealant. All sealing of the risers is the responsibility of the installer upon installation and in the future.

Rubber Boots

All inlet and outlet pipe should be placed inside the rubber boot and tightened with the clamp provided to ensure a leak proof seal. All inlet and outlet pipe sealing is the responsibility of the installer upon installation and in the future unless the rubber boot or clamp is defective.

Inlet & Outlet

Pipe not to exceed 1" past interior wall of tank where baffle is used.

Burial Depth

Tanks to be installed to depths according to each models maximum bury recommendations

Model # 1500 Manufacturers Date 5/8/24

Gallons 123/508 Maximum buried depth 6 Ft

SCP IS NOT RESPONSIBLE FOR TANK INSTALLATION



Septic System Management Plan for Above Grade Systems

The goal of a septic system is to protect human health and the environment by properly treating wastewater before returning it to the environment. Your septic system is designed to kill harmful organisms and remove pollutants before the water is recycled back into our lakes, streams and groundwater.

This **management plan** will identify the operation and maintenance activities necessary to ensure long-term performance of your septic system. Some of these activities must be performed by you, the homeowner. Other tasks must be performed by a licensed septic maintainer or service provider. However, it is **YOUR** responsibility to make sure all tasks get accomplished in a timely manner.

The University of Minnesota's *Septic System Owner's Guide* contains additional tips and recommendations designed to extend the effective life of your system and save you money over time.

Proper septic system design, installation, operation and maintenance means safe and clean water!

Property Owner	<u>William Waytashek</u>	Email	
Property Address	<u>28474 163rd St Pierz</u>	Property ID	<u>05, 0209, 000</u>
System Designer	<u>Alan Braxius</u>	Contact Info	<u>763-498-9249</u>
System Installer		Contact Info	
Service Provider/Maintainer	<u>Hoheisel septic</u>	Contact Info	<u>320-468-2147</u>
Permitting Authority	<u>Morrison Co</u>	Contact Info	<u>320-632-0175</u>
Permit #		Date Inspected	

Keep this Management Plan with your Septic System Owner's Guide. The Septic System Owner's Guide includes a folder to hold maintenance records including pumping, inspection and evaluation reports. Ask your septic professional to also:

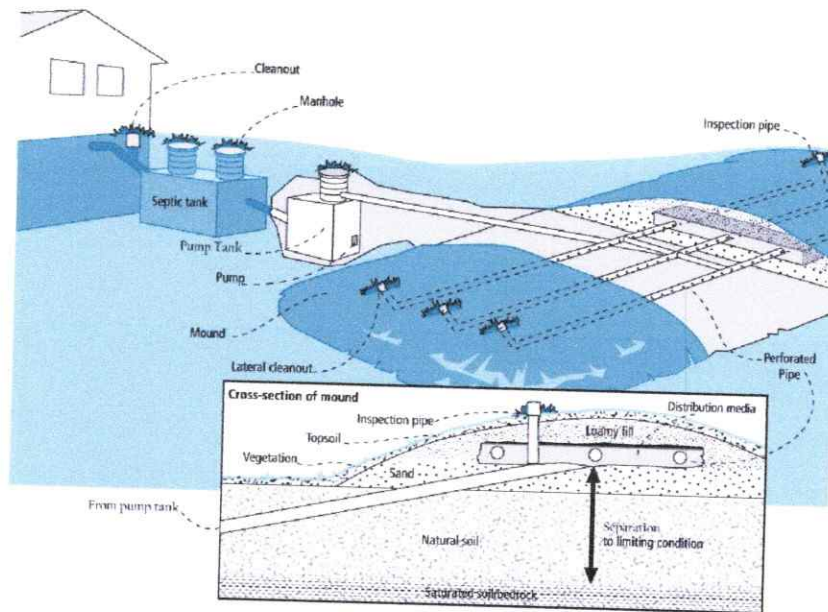
- Attach permit information, designer drawings and as-built of your system, if they are available.
- Keep copies of all pumping records and other maintenance and repair invoices with this document.
- Review this document with your maintenance professional at each visit; discuss any changes in product use, activities, or water-use appliances.

For a copy of the *Septic System Owner's Guide*, visit www.bookstores.umn.edu and search for the word "septic" or call 800-322-8642.

For more information see <http://septic.umn.edu>



Your Septic System



Septic System Specifics

System Type: ☒ I ☐ II ☐ III ☐ IV* ☐ V*

(Based on MN Rules Chapter 7080.2200 – 2400)

*Additional Management Plan required

☐ System is subject to operating permit*

☐ System uses UV disinfection unit*

Type of advanced treatment unit _____

Dwelling Type

Number of bedrooms: 3

System capacity/ design flow (gpd): 450

Anticipated average daily flow (gpd): < 450

Comments _____

Business? : ☒ Y ☒ N What type? _____

Well Construction

Well depth (ft): 750

☐ Cased well Casing depth: > 50

☐ Other (specify): _____

Distance from septic (ft): > 100

Is the well on the design drawing? ☒ Y ☐ N

Septic Tank

☐ First tank Tank volume: 1000 gallons

Does tank have two compartments? ☒ Y ☐ N

☐ Second tank Tank volume: 500 gallons

☐ Tank is constructed of Concrete

☐ Effluent screen: ☐ Y ☒ N Alarm ☒ Y ☐ N

☐ Pump Tank 500 gallons

☐ Effluent Pump make/model: 253 Liberty

Pump capacity 29 GPM

TDH 11 Feet of head

☐ Alarm location Indoor Electric

Soil Treatment Area (STA)

Mound/At-Grade area (width x length): 34 ft x 64 ft

Rock bed size (width x length): 10 ft x 40 ft

Location of additional STA: _____

Type of distribution media: Rock

☒ Inspection ports ☒ Cleanouts

☒ Surface water diversions

☐ Additional STA not available



Homeowner Management Tasks

These *operation and maintenance* activities are your responsibility. *Chart on page 6 can help track your activities.*

Your toilet is not a garbage can. Do not flush anything besides human waste and toilet paper. No wet wipes, cigarette butts, disposal diapers, used medicine, feminine products or other trash!

The system and septic tanks needs to be
checked every 36 months

Your service provider or pumper/maintainer should evaluate if your tank needs to be pumped more or less often.

Seasonally or several times per year

- *Leaks.* Check (listen, look) for leaks in toilets and dripping faucets. Repair leaks promptly.
- *Soil treatment area.* Regularly check for wet or spongy soil around your soil treatment area. If surfaced sewage or strong odors are not corrected by pumping the tank or fixing broken caps and leaks, call your service professional. *Untreated sewage may make humans and animals sick.* Keep bikes, snowmobiles and other traffic off and control borrowing animals.
- *Alarms.* Alarms signal when there is a problem; contact your service professional any time the alarm signals.
- *Lint filter.* If you have a lint filter, check for lint buildup and clean when necessary. If you do not have one, consider adding one after washing machine.
- *Effluent screen.* If you do not have one, consider having one installed the next time the tank is cleaned along with an alarm.

Annually

- *Water usage rate.* A water meter or another device can be used to monitor your average daily water use. Compare your water usage rate to the design flow of your system (listed on the next page). Contact your septic professional if your average daily flow over the course of a month exceeds 70% of the design flow for your system.
- *Caps.* Make sure that all caps and lids are intact and in place. Inspect for damaged caps at least every fall. Fix or replace damaged caps before winter to help prevent freezing issues.
- *Water conditioning devices.* See Page 5 for a list of devices. When possible, program the recharge frequency based on *water demand (gallons)* rather than *time (days)*. Recharging too frequently may negatively impact your septic system. Consider updating to demand operation if your system currently uses time.
- *Review your water usage rate.* Review the Water Use Appliance chart on Page 5. Discuss any major changes with your service provider or pumper/maintainer.

During each visit by a service provider or pumper/maintainer

- Make sure that your service professional services the tank through the manhole. (NOT though a 4" or 6" diameter inspection port.)
- Ask how full your tank was with sludge and scum to determine if your service interval is appropriate.
- Ask your pumper/maintainer to accomplish the tasks listed on the Professional Tasks on Page 4.



Professional Management Tasks

These are the operation and maintenance activities that a pumper/maintainer performs to help ensure long-term performance of your system. At each visit a written report/record must be provided to homeowner.

Plumbing/Source of Wastewater

- Review the Water Use Appliance Chart on Page 5 with homeowner.
Discuss any changes in water use and the impact those changes may have on the septic system.
- Review water usage rates (if available) with homeowner.

Septic Tank/Pump Tanks

- *Manhole lid.* A riser is recommended if the lid is not accessible from the ground surface. Insulate the riser cover for frost protection.
- *Liquid level.* Check to make sure the tank is not leaking. The liquid level should be level with the bottom of the outlet pipe. (If the water level is below the bottom of the outlet pipe, the tank may not be watertight. If the water level is higher than the bottom of the outlet pipe of the tank, the effluent screen may need cleaning, or there may be ponding in the soil treatment area.)
- *Inspection pipes.* Replace damaged or missing pipes and caps.
- *Baffles.* Check to make sure they are in place and attached, and that inlet/outlet baffles are clear of buildup or obstructions.
- *Effluent screen.* Check to make sure it is in place; clean per manufacturer recommendation. Recommend retrofitted installation if one is not present.
- *Alarm.* Verify that the alarm works.
- *Scum and sludge.* Measure scum and sludge in each compartment of each septic and pump tank, pump if needed.

Pump

- *Pump and controls.* Check to make sure the pump and controls are operating correctly.
- *Pump vault.* Check to make sure it is in place; clean per manufacturer recommendations.
- *Alarm.* Verify that the alarm works.
- *Drainback.* Check to make sure it is draining properly.
- *Event counter or elapsed time meter.* Check to see if there is an event counter or elapsed time meter for the pump. If there is one or both, calculate the water usage rate and compare to the anticipated use listed on Design and Page 2. Dose Volume: 80 gallons: Pump run time: 2.75 Minutes

Soil Treatment Area

- *Inspection pipes.* Check to make sure they are properly capped. Replace caps and pipes that are damaged.
- *Surfacing of effluent.* Check for surfacing effluent or other signs of problems.
- *Lateral flushing.* Check lateral distribution; if cleanouts exist, flush and clean at recommended frequency.
- *Vegetation* - Check to see that a good growth of vegetation is covering the system.

All other components – evaluate as listed here:



Water-Use Appliances and Equipment in the Home

Appliance	Impacts on System	Management Tips
Garbage disposal	• Uses additional water. • Adds solids to the tank. • Finely-ground solids may not settle. Unsettled solids can exit the tank and enter the soil treatment area.	• Use of a garbage disposal is not recommended. • Minimize garbage disposal use. Compost instead. • To prevent solids from exiting the tank, have your tank pumped more frequently. • Add an effluent screen to your tank.
Washing machine	• Washing several loads on one day uses a lot of water and may overload your system. • Overloading your system may prevent solids from settling out in the tank. Unsettled solids can exit the tank and enter the soil treatment area.	• Choose a front-loader or water-saving top-loader, these units use less water than older models. • Limit the addition of extra solids to your tank by using liquid or easily biodegradable detergents. Limit use of bleach-based detergents and fabric softeners. • Install a lint filter after the washer and an effluent screen to your tank • Wash only full loads and think even – spread your laundry loads throughout the week.
Dishwasher	• Powdered and/or high-phosphorus detergents can negatively impact the performance of your tank and soil treatment area. • New models promote “no scraping”. They have a garbage disposal inside.	• Use gel detergents. Powdered detergents may add solids to the tank. • Use detergents that are low or no-phosphorus. • Wash only full loads. • Scrape your dishes anyways to keep undigested solids out of your septic system.
Grinder pump (in home)	• Finely-ground solids may not settle. Unsettled solids can exit the tank and enter the soil treatment area.	• Expand septic tank capacity by a factor of 1.5. • Include pump monitoring in your maintenance schedule to ensure that it is working properly. • Add an effluent screen.
Large bathtub (whirlpool)	• Large volume of water may overload your system. • Heavy use of bath oils and soaps can impact biological activity in your tank and soil treatment area.	• Avoid using other water-use appliances at the same time. For example, don’t wash clothes and take a bath at the same time. • Use oils, soaps, and cleaners in the bath or shower sparingly.
Clean Water Uses	Impacts on System	Management Tips
High-efficiency furnace	• Drip may result in frozen pipes during cold weather.	• Re-route water directly out of the house. Do not route furnace discharge to your septic system.
Water softener Iron filter Reverse osmosis	• Salt in recharge water may affect system performance. • Recharge water may hydraulically overload the system.	• These sources produce water that is not sewage and should not go into your septic system. • Reroute water from these sources to another outlet, such as a dry well, draintile or old drainfield.
Surface drainage Footing drains	• Water from these sources will overload the system and is prohibited from entering septic system.	• When replacing, consider using a demand-based recharge vs. a time-based recharge. • Check valves to ensure proper operation; have unit serviced per manufacturer directions



Homeowner Maintenance Log

Track maintenance activities here for easy reference. See list of management tasks on pages 3 and 4.

Activity	Date accomplished									
Check frequently:										
Leaks: check for plumbing leaks*										
Soil treatment area check for surfacing**										
Lint filter: check, clean if needed*										
Effluent screen (if owner-maintained)***										
Alarm**										
Check annually:										
Water usage rate (maximum gpd ____)										
Caps: inspect, replace if needed										
Water use appliances – review use										
Other:										

*Monthly

**Quarterly

***Bi-Annually

Notes:

"As the owner of this SSTS, I understand it is my responsibility to properly operate and maintain the sewage treatment system on this property, utilizing the Management Plan. If requirements in this Management Plan are not met, I will promptly notify the permitting authority and take necessary corrective actions. If I have a new system, I agree to adequately protect the reserve area for future use as a soil treatment system."

Property Owner Signature: _____

Date _____

Management Plan Prepared By: Alan Brixius

Certification # 1439

Permitting Authority: _____