



Minnesota Pollution Control Agency

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

Compliance Inspection Form

Existing Subsurface Sewage Treatment Systems (SSTS)

Doc Type: Compliance and Enforcement

Inspection results based on Minnesota Pollution Control Agency (MPCA) requirements and attached forms – additional local requirements may also apply.

Submit completed form to Local Unit of Government (LUG) and system owner within 15 days

For local tracking purposes:

System Status

System status on date (mm/dd/yyyy): 8/17/2017

Compliant – Certificate of Compliance
(Valid for 3 years from report date, unless shorter time frame outlined in Local Ordinance.)

Noncompliant – Notice of Noncompliance
(See Upgrade Requirements on page 3.)

Reason(s) for noncompliance (check all applicable)

- Impact on Public Health (Compliance Component #1) – Imminent threat to public health and safety
 - Other Compliance Conditions (Compliance Component #3) – Imminent threat to public health and safety
 - Tank Integrity (Compliance Component #2) – Failing to protect groundwater
 - Other Compliance Conditions (Compliance Component #3) – Failing to protect groundwater
 - Soil Separation (Compliance Component #4) – Failing to protect groundwater
 - Operating permit/monitoring plan requirements (Compliance Component #5) – Noncompliant

Property Information

Parcel ID# or Sec/Twp/Range: 14.028.20.24.0030

Property address: 16477 23rd St. S St. Mary's Point, MN 55043 Reason for inspection: routine

Property owner: Joe & Elizabeth Dvorak Owner's phone: 651-295-7636

Owner's representative: _____ Representative phone: _____

Local regulatory authority: Washington County Regulatory authority phone: 651-430-6655

Brief system description: 2 1000 gallon septic tanks and gravity, rock trench drainfield

Comments or recommendations:

While not a compliance criteria, it should be noted that the holding tank serving the loft in the detached garage needs the high water alarm wired and the existing setback from the drainfield to the single family dwelling is approximately 13 feet.

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.

Inspector name: Tom Trooien Certification number: 323

Business name: All State Septic Services LLC License number: 1568

Inspector signature: *Tom Trooien* Phone number: 612-594-4496

Necessary or Locally Required Attachments

- Soil boring logs
- System/As-built drawing
- Forms per local ordinance
- Other information (list): _____

Sump Pumps are Single Phase with Piggyback Float Switch							
	Model	HP	Max. Voltage	Max. Flow	Max. Head	Solids Handling	Cord Length / Discharge
	PL-200SP	1/3	115	48	24'	1/2"	20ft. 1 1/2" NPT



Effluent Pumps are Single Phase with Piggyback Float Switch							
	Model	HP	Max. Voltage	Max. Flow	Max. Head	Solids Handling	Cord Length / Discharge
	PL-SE13T		115	72	29'	1/2"	20ft. 1 1/2" NPT
	PL-SE41T	4/10	115	74	32'	3/4"	20ft. 2" NPT
	PL-SE12T	1/2	115	80	25'	3/4"	20ft. 2" NPT



Effluent Pumps are Single Phase with Piggyback Float Switch							
	Model	HP	Max. Voltage	Max. Flow	Max. Head	Solids Handling	Cord Length / Discharge
	PL-EF04WA	4/10	115	80	41'	3/4"	15ft. 2" NPT
	PL-EF05WA	1/2	115	88	51'	3/4"	15ft. 2" NPT
	PL-EF05WHA	1/2	115	45	72'	5/8"	20ft. 1 1/4" NPT
	PL-EF10WA	1	230	160	72'	3/4"	20ft. 2" Vertical
	PL-EF10WHA	1	230	75	108'	5/8"	20ft. 1 1/4" NPT Horizontal



High Head (HH) Turbine Effluent Pumps - Manual Operation Units are Single Phase							
	Model	HP	Max. Voltage	Max. Flow	Max. Head	Solids Handling	Cord Length / Discharge
	PL-TE10	1/2	115	17	260'	Filtered Effluent	10ft. 1 1/4" NPT
	PL-TE20	1/2	115	27	160'	Filtered Effluent	10ft. 1 1/4" NPT
	PL-TE30	1/2	115	35	110'	Filtered Effluent	10ft. 1 1/4" NPT



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

Any "yes" answer above indicates the system is an imminent threat to public health and safety.

Comments/Explanation:

Verification method(s):

- Searched for surface outlet
- Searched for seeping in yard/backup in home
- Excessive ponding in soil system/D-boxes
- Homeowner testimony (See Comments/Explanation)
- "Black soil" above soil dispersal system
- System requires "emergency" pumping
- Performed dye test
- Unable to verify (See Comments/Explanation)
- Other methods not listed (See Comments/Explanation)

2. Tank Integrity – Compliance component #2 of 5

Compliance criteria:

System consists of a seepage pit, cesspool, drywell, or leaching pit. <i>Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth. If yes, which sewage tank(s) leaks:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Any "yes" answer above indicates the system is failing to protect groundwater.

Comments/Explanation:

Verification method(s):

- Probed tank(s) bottom
- Examined construction records
- Examined Tank Integrity Form (Attach)
- Observed liquid level below operating depth
- Examined empty (pumped) tanks(s)
- Probed outside tank(s) for "black soil"
- Unable to verify (See Comments/Explanation)
- Other methods not listed (See Comments/Explanation)

3. Other Compliance Conditions – Compliance component #3 of 5

- a. Maintenance hole covers are damaged, cracked, unsecured, or appear to be structurally unsound. Yes* No Unknown
 - b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety. Yes* No Unknown
- *System is an imminent threat to public health and safety.**

Explain:

- c. System is non-protective of ground water for other conditions as determined by inspector. Yes* No
- *System is failing to protect groundwater.**

Explain:

Sewage Pumps are Single Phase with Piggyback Float Switch

Label	HP	Max. Voltage	Max. Flow	Max. Solids	Head Handling	Cord Length	Discharge
PL-SC550T	4/10	115	90	18"	2"	20ft.	2" NPT
PL-SC650T	1/2	115	120	22"	2"	20ft.	2" NPT



Sewage Pumps are Single Phase with Piggyback Float Switch

Polylok	HP	Max. Voltage	Max. Flow	Max. Solids	Head Handling	Cord Length	Discharge
PL-EJ04WA	4/10	115	100	16"	2"	15ft.	2" NPT
PL-EJ05WA	1/2	115	140	24.5"	2"	15ft.	2" NPT
PL-EJ07WA	3/4	230	200	25"	2"	20ft.	2" ANSI Horizontal
PL-EJ10WA	1	230	245	30"	2"	20ft.	2" ANSI Horizontal
PL-EJ15WA	1 1/2	230	300	37"	2"	20ft.	2" ANSI Horizontal
PL-EJ20WA	2	230	325	45"	2"	20ft.	2" ANSI Horizontal



Grinder Pumps are Single Phase with Piggyback Float Switch

Label	HP	Max. Voltage	Max. Flow	Max. Solids	Head Handling	Cord Length	Discharge
PL-KG1-115A	2	115	20	90'	Macerator	20ft.	1 1/4"
PL-KG2-230A	2	230	44	107'	Macerator	20ft.	1 1/4"



More Grinder Pump models available - Call for more information

4. Soil Separation – Compliance component #4 of 5

Date of installation: 7-1-1993 Unknown
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? Yes No

Compliance criteria:

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.

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.*

"Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules (7080.2350 or 7080.2400 (Advanced Inspector License required) Yes No
Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.

Verification method(s):

Soil observation does not expire. Previous soil observations by two independent parties are sufficient, unless site conditions have been altered or local requirements differ.

- Conducted soil observation(s) (Attach boring logs)
- Two previous verifications (Attach boring logs)
- Not applicable (Holding tank(s), no drainfield)
- Unable to verify (See Comments/Explanation)
- Other (See Comments/Explanation)

Comments/Explanation:

B-1
0- 23 sandy topsoil.....10 YR 3/2
23-48 sand.....7.5 YR 4/4
48-72 med/course sand.....10 YR 4/4

Indicate depths or elevations

A. Bottom of distribution media	36-42
B. Periodically saturated soil/bedrock	
C. System separation	30
D. Required compliance separation*	24

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

Any "no" answer above indicates the system is failing to protect groundwater.

5. Operating Permit and Nitrogen BMP* – Compliance component #5 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? 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. Operating Permit number: <u>n/a</u> Have the Operating Permit requirements been met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. Is the required nitrogen BMP in place and properly functioning?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Any "no" answer indicates Noncompliance.

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.

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HOLDING TANK
(NEEDS HIGH WATER ALARM INSTALLED)

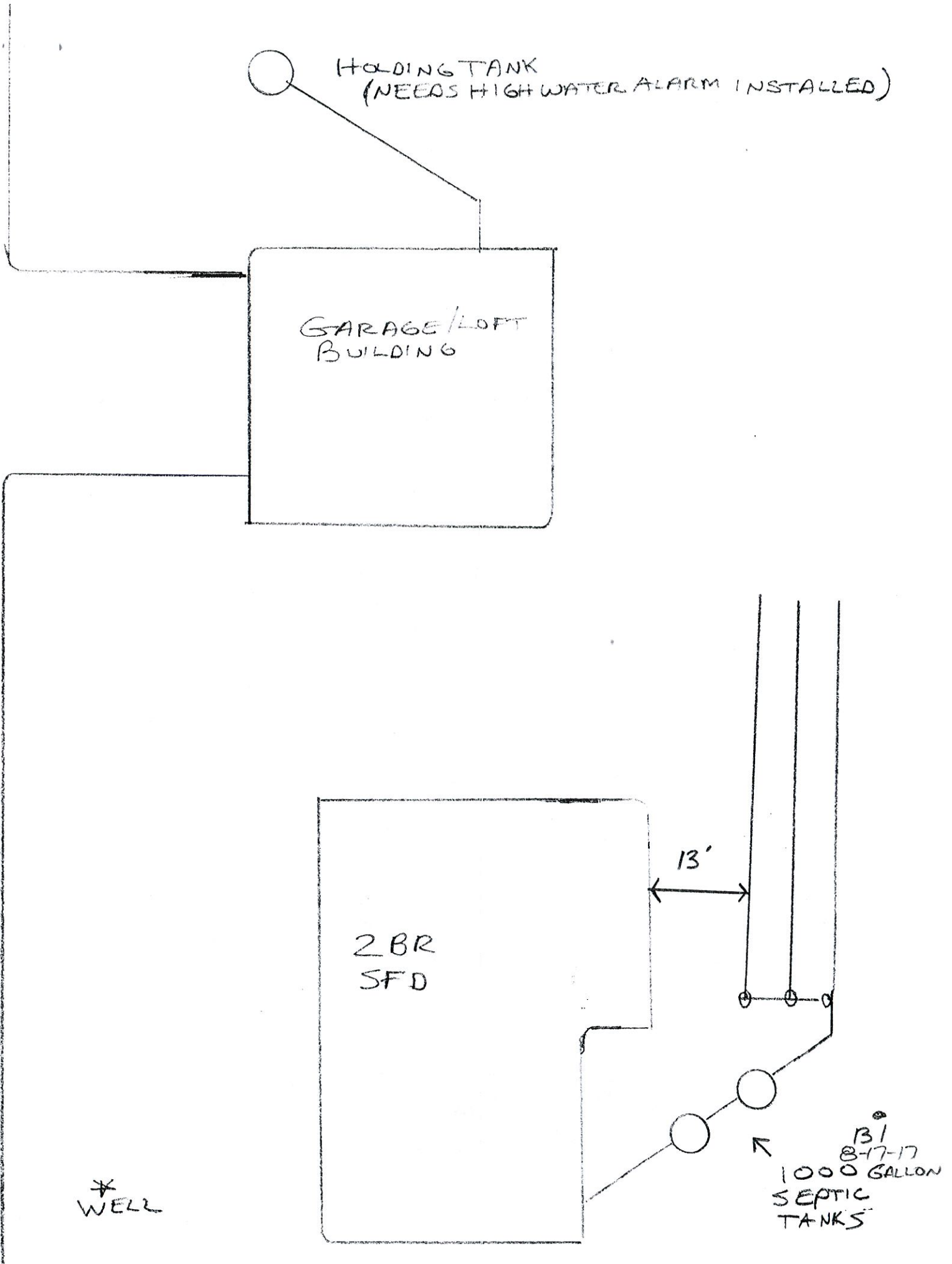
GARAGE/LOFT
BUILDING

2 BR
SFD

13'

*
WELL

BI
8-17-17
1000 GALLON
SEPTIC
TANKS



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