MINNESOTA POLLUTION CONTROL AGENCY
520 Lafayette Road North
St. Paul, MN 55155-4194

# Compliance inspection report form

## Existing Subsurface Sewage Treatment System (SSTS)

*Doc Type: Compliance and Enforcement*

**Instructions:** Inspection results based on Minnesota Pollution Control Agency (MPCA) requirements and attached supporting documentation – additional local requirements may also apply. Further information can be found here: https://www.pca.state.mn.us/sites/default/files/wq-wwists4-31a.pdf.

**Inspector must submit completed form to Local Governmental Unit (LGU) and system owner within 15 days of final determination of compliance or noncompliance.**

## Property information

Local tracking number:

Parcel ID# or Sec/Twp/Range: 3103119320008 Local regulatory authority: WASHINGTON COUNTY

Property address: 12444 QUAIL WAY N STILLWATER MN

Owner/representative: DOBIER DARREN JAMES & SUDKANUENG N Owner's phone:

Brief system description: 3) 1000-GALLON SEPTIC/LIFT TANKS WITH 950 SQ FT GRAVITY TRENCHES W/12" ROCK

## System status

System status on date (mm/dd/yyyy): 5/11/2021

☒ **Compliant – Certificate of compliance***

*(**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.)*

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

☐ **Noncompliant – Notice of noncompliance**

*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.*

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

### 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: LASHINSKI SERVICES, INC. Certification number: 3053

Inspector signature: [signature] License number: L65

*(This document has been electronically signed)*

Phone: 612-919-3704

## Necessary or locally required supporting documentation **(must be attached)**

☒ Soil observation logs ☒ Locally required forms ☒ Tank Integrity Assessment ☐ Operating Permit

☐ Other information (list):

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

**Compliance criteria:**

| | |
|---|---|
| System discharges sewage to the ground surface | ☐ Yes* ☒ No |
| System discharges sewage to drain tile or surface waters. | ☐ Yes* ☒ No |
| System causes sewage backup into dwelling or establishment. | ☐ Yes* ☒ No |

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

**Describe verification methods and results:**

**Attached supporting documentation:**

☐ Other: _____

☐ Not applicable

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

**Compliance criteria:**

| | |
|---|---|
| System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit? | ☐ Yes* ☒ No |
| Sewage tank(s) leak below their designed operating depth? | ☐ Yes* ☒ No |
| If yes, which sewage tank(s) leaks: | |

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

**Describe verification methods and results:**

**Attached supporting documentation:**

☒ Pumped at time of inspection

Name of maintenance business: LASHINSKI SEPTIC

License number of maintenance business: L65

Date of maintenance: 5/11/2021

☐ 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: _____

## 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

***Yes to 3a or 3b - System is an imminent threat to public health and safety.***

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

***Yes to 3c or 3d - System is failing to protect groundwater**.*

**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

***Any "no" answer indicates noncompliance.***

**Describe verification methods and results:**

**Attached supporting documentation:** ☐ Operating permit (Attach) ☐ _____

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

**Date of installation** **10/6/1996** ☐ Unknown
*(mm/dd/yyyy)*

**Shoreland/Wellhead protection/Food beverage lodging?** ☐ Yes ☒ No

**Attached supporting documentation:**

☒ Soil observation logs completed for the report (Attach)

☒ Two previous verifications of required vertical separation *(Attach)*

☐ Not applicable (No soil treatment area)

☒ REVIEWED 2014 INSPECTION AND 1996 DESIGN

### 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:*<br>Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock. | ☐ Yes ☐ No* |
| 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:*<br>Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.* | ☒ Yes ☐ No* |
| 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 (Advanced Inspector License required)*<br>Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock. | ☐ Yes ☐ No* |

### Indicate depths or elevations

| | |
|---|---|
| A. Bottom of distribution media | 97'2" at last trench |
| B. Periodically saturated soil/bedrock | 94'4" |
| C. System separation | >34" |
| D. Required compliance separation* | 36" |

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

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

**Describe verification methods and results:**

**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.*

# Compliance Inspection Attachment for Existing Individual Sewage Treatment Systems

**Address** 12444 Quail Way

| Boring #1 Elevation: 99'10" | | " Boring #2 Elevation: " | Boring #3 Elevation:" |
|---|---|---|---|
| 0-10 | 10YR 3/3 dark brown fine sand. | | |
| -40 | 10YR 5/6 dark yellowish brown loamy fine sand | | |
| -68 | 10YR 5/3, 5/4 yellowish brown fine sand. No redoximorphic mottling observed. Soil dry. | | |

**Sketch:**

See attached

**Comments:** Benchmark = bottom of first drop box. Assumed elevation = 100'0". Soil borings #1 indicated no redoximorphic mottling to a depth of 68", the system does meet the required 36" vertical separation from seasonally saturated soils. The system consists of two 1000-gallon septic tanks, a 1000-gallon lift tank and approximately 950 sq, ft, of gravity trenches. The tanks were pumped for the inspection, the baffles are intact and in good shape. This system is classified as compliant. The liquid level in all drp boxes was at or below normal operating levels. The lift pump was manually run with the system dosed with approximately 200 gallon of effluent and the first three trenches handled the entire dose. This inspection is not a warranty or guarantee, either written or implied, of future or long-term hydraulic functionality/performance, but rather a determination if the systems use is/may cause pollution and/or adverse harm to the environment, groundwater or public health and safety at the time of this inspection. No guarantee can be made on future hydraulic performance, or the performance of system components (pumps, controls, etc.). Changes in use can cause any system, failing or compliant, to become hydraulically overloaded and ultimately fail. Owner/buyer assumes full responsibility for the long-term performance of this system as well as any future upgrade, repairs or replacement costs. Liability is limited to the cost of this inspection.

# Washington County, MN


May 12, 2021

1:500

0 20 40 80 ft

0 5 10 20 m

# Logs of Soil Borings



Location of Project Jay Sleiter prop., Lot 7, Block 3, Ridgewood Acres, Sec. 31, May Twp.

Borings made by Chris Zierke Date 9/26/96

Hand bucket auger used for borings; USDA - SCS Soil Classification used.

## Boring Number 1

| Depth, in feet | |
|---|---|
| 0 | Dark-brown sandy loam(10YR-3/3) |
| 8" | |
| 1 | Dark yellowish-brown sandy loam (10YR-4/4) |
| 18" | |
| 2 | Yellowish-brown sandy loam(10YR-5/6) |
| 3 | |
| 42" | |
| 4 | Brown fine sand(10YR-5/3) |
| 5 | |
| 6 | |
| 7 | |
| 8 | |

End of boring at 7 feet.
**Standing water table:**
Present at _____ feet of depth, _____ hours after boring.
Standing water not present in hole x.
**Mottled Soil:**
Observed at _____ feet of depth.
Mottled soil not present in bore hole x
**Comments:**

## Boring Number 2

| Depth, in feet | |
|---|---|
| 0 | Dark-brown sandy loam |
| 6" | |
| 1 | Dark y-brown sandy loam |
| 2 | Yellowish-brown loam(10YR-5/6) |
| 3 | |
| 40" | |
| 4 | Yellowish-brown fine sand(10YR-5/6) iron-stains & light-gray mottles below 60" |
| 5 | |
| 6 | |
| 7 | |
| 8 | |

End of boring at 6 feet.
**Standing water table:**
Present at _____ feet of depth, _____ hours after boring
Standing water not present in hole x
**Mottled Soil:**
Observed at 5 feet of depth.
Mottled soil not present in bore hole
**Comments:**

## Boring Number 3

| Depth, in feet | |
|---|---|
| 0 | Dark-brown sandy loam |
| 8" | |
| 1 | Yellowish-brown sandy loam(10YR-5/4) |
| 20" | |
| 2 | Yellowish-brown loam |
| 3 | Yellowish-brown fine sand |
| 4 | obstruction |
| 5 | |
| 6 | |
| 7 | |
| 8 | |

End of boring at 4 feet.
**Standing water table:**
Present at _____ feet of depth, _____ hours after boring.
Standing water not present in hole x.
**Mottled Soil:**
Observed at _____ feet of depth.
Mottled soil not present in bore hole x
**Comments:**

## Boring Number 4

| Depth, in feet | |
|---|---|
| 0 | Dark-brown sandy loam |
| 10" | |
| 1 | Dark y-brown sandy loam |
| 20" | |
| 2 | Yellowish-brown loam |
| 30" | |
| 3 | Dark y-brown gravelly loam(10YR-4/6) |
| 4 | Yellowish-brown fine sand, thin layers of dark y-brown sandy loam common |
| 5 | |
| 6 | obstruction |
| 7 | |
| 8 | |

End of boring at 6 feet.
**Standing water table:**
Present at _____ feet of depth, _____ hours after boring.
Standing water not present in hole x.
**Mottled Soil:**
Observed at _____ feet of depth.
Mottled soil not present in bore hole x
**Comments:**

Block 3, Lot 7,
Ridgewood Acres,
Sec. 31, T31N R19W

2/19/81

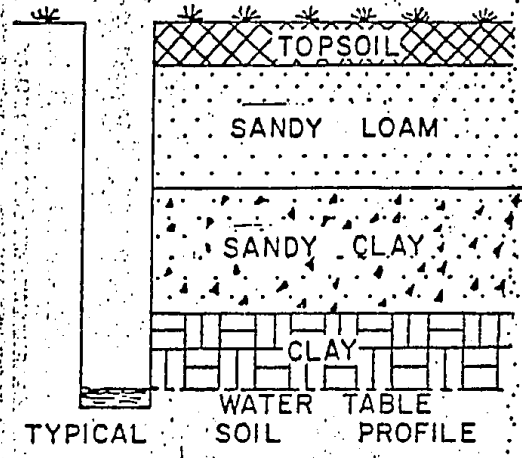
-SOIL BORINGS-

Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.



TYPICAL SOIL PROFILE

## LOG OF SOIL BORINGS

| BORING NO. 1 | | BORING NO. 2 | | BORING NO. 3 | | BORING NO. 4 | |
|---|---|---|---|---|---|---|---|
| DEPTH IN FEET | SOIL DESCRIPTION | DEPTH IN FEET | SOIL DESCRIPTION | DEPTH IN FEET | SOIL DESCRIPTION | DEPTH IN FEET | SOIL DESCRIPTION |
| 0 | 10YR 3/2 Loamy Sand | 0 | 10YR 3/2 Loamy Sand | 0 | 10YR 3/2 Loamy Sand | 0 | 10YR 3/2 Loamy Sand |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 1 | | 1 | | 1 | | 1 | |
| 1 1/2 | | 1 1/2 | 7.5YR 4/4 Loamy Sand | 1 1/2 | 7.5YR 4/4 Loamy Sand | 1 1/2 | 7.5YR 4/4 Loamy Sand |
| 2 | 7.5YR 4/4 Silt Loam | 2 | | 2 | | 2 | |
| 2 1/2 | | 2 1/2 | | 2 1/2 | | 2 1/2 | |
| 3 | | 3 | 5YR 5/4 Sand | 3 | | 3 | 5YR 5/4 Sand |
| 3 1/2 | 7.5YR 4/4 Sand | 3 1/2 | | 3 1/2 | | 3 1/2 | |
| 4 | | 4 | | 4 | | 4 | |
| 4 1/2 | | 4 1/2 | | 4 1/2 | | 4 1/2 | |
| 5 | | 5 | | 5 | | 5 | |
| 5 1/2 | | 5 1/2 | | 5 1/2 | | 5 1/2 | |
| 6 | | 6 | 7.5YR 4/4 Sand | 6 | | 6 | |
| 6 1/2 | | 6 1/2 | | 6 1/2 | | 6 1/2 | 7.5YR 4/4 Sand |
| 7 | | 7 | | 7 | | 7 | |
| 7 1/2 | | 7 1/2 | | 7 1/2 | | 7 1/2 | |
| 8 | | 8 | | 8 | | 8 | |
| 8 1/2 | | 8 1/2 | | 8 1/2 | | 8 1/2 | |
| 9 | | 9 | | 9 | | 9 | |

2/19/81

Block 3, Lot 7,
Ridgewood Acres,
Sec. 31, T31N R19W

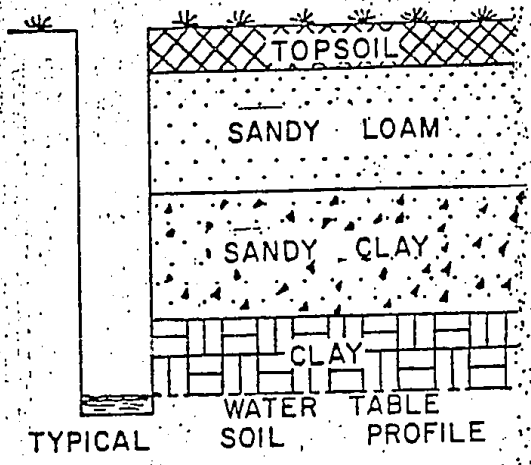
## -SOIL BORINGS-

Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.



TYPICAL SOIL PROFILE

# LOG OF SOIL BORINGS

| BORING NO. 5 | | BORING NO. | | BORING NO. | | BORING NO. | |
|---|---|---|---|---|---|---|---|
| DEPTH IN FEET | SOIL DESCRIPTION | DEPTH IN FEET | SOIL DESCRIPTION | DEPTH IN FEET | SOIL DESCRIPTION | DEPTH IN FEET | SOIL DESCRIPTION |
| 0 | 10YR 3/2 | 0 | | 0 | | 0 | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 1 | Loamy Sand | 1 | | 1 | | 1 | |
| 1 1/2 | 7.5YR 4/4 | 1 1/2 | | 1 1/2 | | 1 1/2 | |
| 2 | | 2 | | 2 | | 2 | |
| 2 1/2 | Loamy Sand | 2 1/2 | | 2 1/2 | | 2 1/2 | |
| 3 | | 3 | | 3 | | 3 | |
| 3 1/2 | | 3 1/2 | | 3 1/2 | | 3 1/2 | |
| 4 | 5YR 5/4 | 4 | | 4 | | 4 | |
| 4 1/2 | | 4 1/2 | | 4 1/2 | | 4 1/2 | |
| 5 | | 5 | | 5 | | 5 | |
| 5 1/2 | | 5 1/2 | | 5 1/2 | | 5 1/2 | |
| 6 | Sand | 6 | | 6 | | 6 | |
| 6 1/2 | | 6 1/2 | | 6 1/2 | | 6 1/2 | |
| 7 | | 7 | | 7 | | 7 | |
| 7 1/2 | | 7 1/2 | | 7 1/2 | | 7 1/2 | |
| 8 | | 8 | | 8 | | 8 | |
| 8 1/2 | | 8 1/2 | | 8 1/2 | | 8 1/2 | |
| 9 | | 9 | | 9 | | 9 | |