



333 Main Street NW
 P.O. Box 388
 Elk River, MN 55330
 Phone: 763-441-7509
 Fax: 763-441-9176

DRINKING WATER LABORATORY TEST REPORT

Last Name: WALDOCH
 First Name: LISA
 Address: 7525 99TH CT
 City: GRANT
 State: MN Zip Code:
 County:
 Legal:

File #: 9175
 Date/Time in Lab: 3/22/2016 1:40 PM
 Unique Well #:
 Drillers #:

Ordered By: RESIDENTIAL TESTING

Sampled From: Kitchen Tap

Sampled By: CHAD LASHINSKI

Date/Time Sampled: 03/22/2016 1030

Reason For Test: Coliform + Nitrate

Sample Temp: > 4° C

| <u>ANALYTE & METHOD</u> | <u>DATE & TIME OF ANALYSIS</u> | <u>MAXIMUM CONTAMINATION LEVEL (EPA)</u> | <u>TEST RESULTS</u> |
|-------------------------------|------------------------------------|--|---------------------|
| Coliform Bacteria (SM 9223 B) | 03/22/2016 1400 | Negative | Negative |
| Nitrate (EPA 353.2 Rev 2.0) | 03/22/2016 1447 | 10.0 ppm | < 0.5 ppm |

This sample DOES meet EPA guidelines for safe drinking water for the Analytes tested.

Notes:

The test results are only indicative of the sample tested from the sample point on the date collected.
 This report must not be reproduced, except in full, without the written approval from Water Laboratories, Inc.
 Minnesota Certification# 027-141-110, Wisconsin Certification #399044470

Water Laboratories, Inc.

Amount Billed:

By: *Kevin J. Klopper*

Date Paid:

Amount Paid:

Date: 03/23/2016

Received By EK Entered By EK Edited By KJK



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): 3/22/2016

[X] 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:

Property address: 7525 99th Court Reason for inspection: Property Transfer

Property owner: Lisa Waldoch Owner's phone:

Owner's representative: Representative phone:

Local regulatory authority: Grant Township Regulatory authority phone:

Brief system description: 2/ 1000 gallon tanks, 1000 gallon lift station, 4 drop boxes with trenches

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.

Inspector name: Chad Lashinski Certification number: C3054

Business name: Residential Testing Solutions License number: L3636

Inspector signature: [Signature] Phone number: 612-991-7004

Necessary or Locally Required Attachments

- [X] Soil boring logs [X] System/As-built drawing [] Forms per local ordinance
[X] Other information (list): Additional Terms

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:

4. Soil Separation – Compliance component #4 of 5

Date of installation: _____ 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: Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock. | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 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: Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.* | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| “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) Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock. | <input type="checkbox"/> Yes <input type="checkbox"/> No |

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:

Indicate depths or elevations

| | |
|--|-----|
| A. Bottom of distribution media | 26 |
| B. Periodically saturated soil/bedrock | 66+ |
| C. System separation | 40 |
| 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.

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

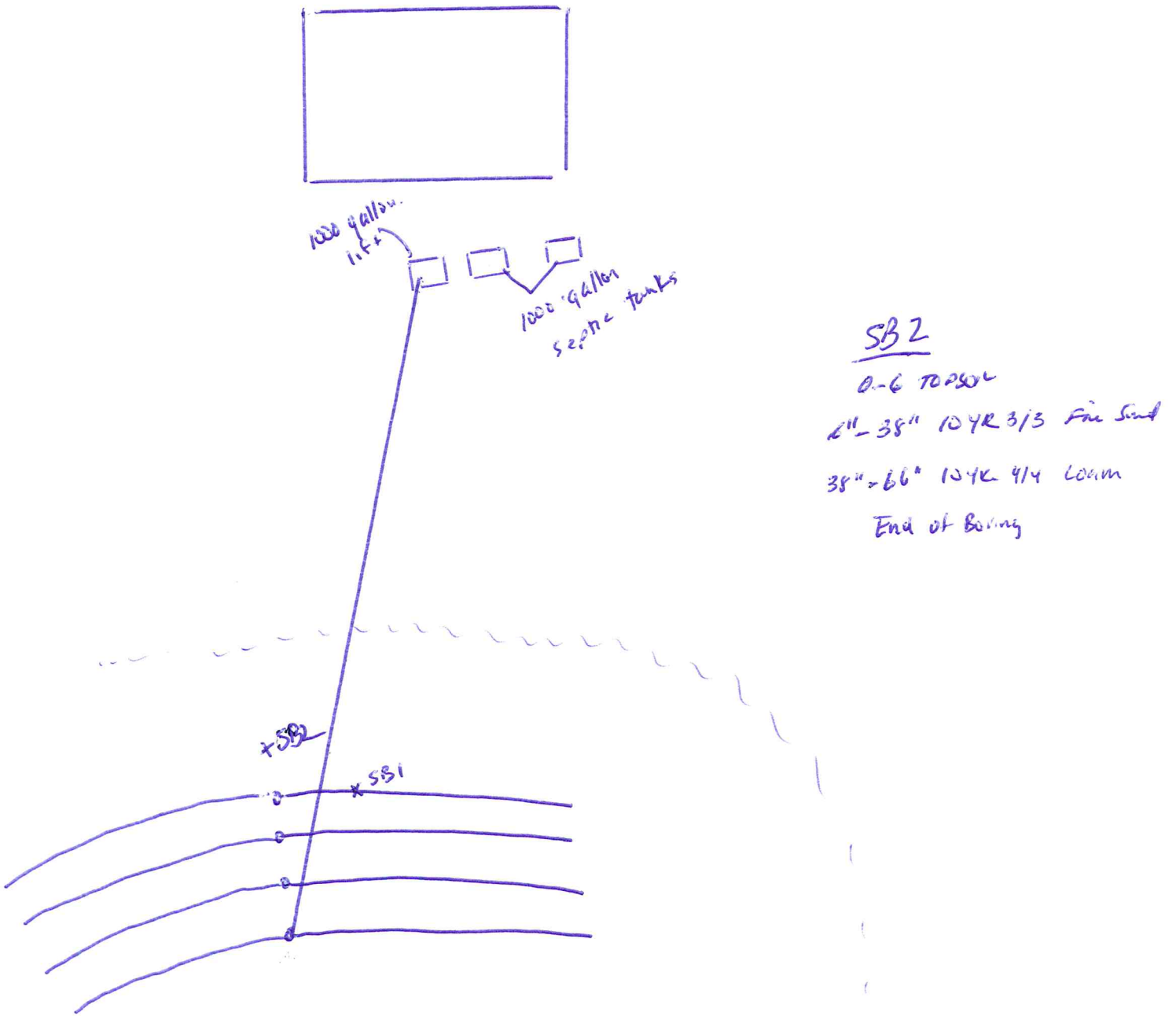
If the answer to both questions is “no”, this section does not need to be completed.

Compliance criteria

| | |
|---|--|
| a. Operating Permit number: _____ 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.



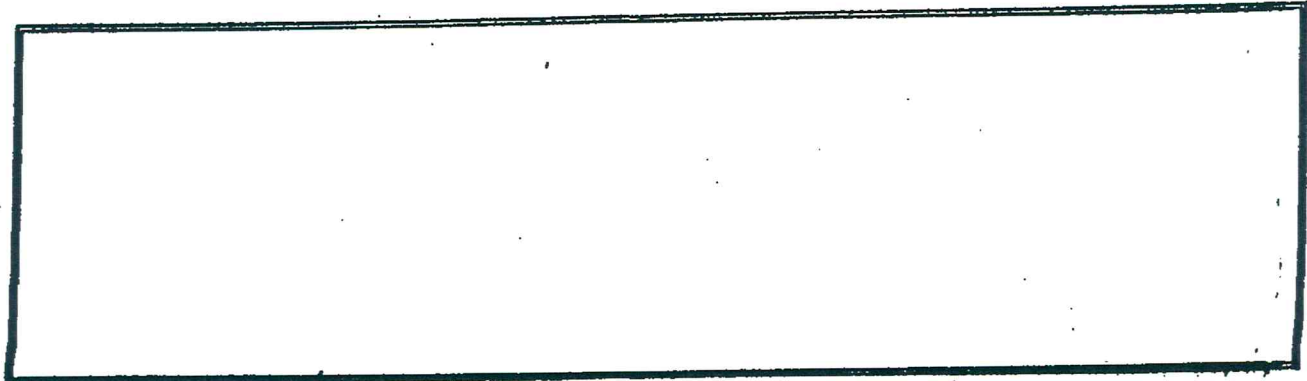
EKLIN SOIL TESTING AND INSPECTIONS, INC.

1986 Ridgewood Avenue
White Bear Lake, MN 55110
1-612-429-1090

REVISED 10-26-98

| | |
|------------------|--|
| Owner's Name | DAN BROWN |
| Job Site Address | LOT 13 BLOCK I GLASGOW PINE TRAILS ESTATES |
| City or Township | CITY OF GRANT |
| Use of Building | HOME 3-BEDROOMS |

| | | | | | | |
|---|--|--------------|---------|--------------------------------|---|---------------|
| Design Flow Rate | 450 GAL PER DAY + | Perc Rate | 6-8 MPI | Land Slope | 8-12 | Percent |
| Two Required Tank Sizes | 1000 Gallons | 1000 | Gallons | LIR Station Tank Size | 1000 | Gallons |
| Type of System (standard, at grade or bed) | STANDARD | | | | | |
| System Size: | 1000 | -Square Feet | 334 | -Lineal Feet | 36" | -Trench Width |
| Depth of rock below pipe | 18" | | | Depth of Rock Above Pipe | 2" | |
| MINimum Depth of Trench From Existing Grade | 30 | | | Inches | MAXimum Depth of Trench From Existing Grade | 42 |
| Recommended Number of Trenches | 8 | | | Recommended Length of Trenches | 40' - 50' | |
| Trench Spacing Measured Center to Center | | | | | 7 | Feet |
| Any Other Special Conditions | SEE ALL DATA FOR TANKS + PIPING DESIGN CANNOT BE ALTERED | | | | | |



This system has been designed by a Pollution Control Agency (PCA) Certified Professional.

| | | | |
|---------------|---|---------------------|----------|
| Designer Name | DALE EKLIN | PCA Certification # | 695 |
| Address | 1986 RIDGEWOOD AVE WHITE BEAR LAKE MINN 55110 | Phone # | 429-1090 |
| Signature | <i>[Signature]</i> | Date | 10-26-98 |



8 TRENCHES - 40' TO 50' LONG
 36" WIDE - 36" TO 42" DEEP
 7 1/2" CENTER TO CENTER TRENCH SPACING
 FOLLOW THE CONTROLS
 KEEP BOTTOM OF TRENCH LEVEL

JOB Tom Palmer

Lot 13, Blk 1, Glasgow
Pine Lake Estates, Grant Township

BORING LOG

Bore holes located on the north
downslope side of the test area

DATE 2-9-90

BOREHOLE DIAMETER 4" - 3 1/2" - 2 1/2" HAND AUGER

| DEPTH FEET | HOLE # 7 | HOLE # 8 | HOLE # 9 | HOLE # 10 | HOLE # 5 | HOLE # 6 |
|------------|--|--|---|--|----------|----------|
| 1 | TOP SOIL BROWN, FINE TO MEDIUM SAND | TOP SOIL BROWN, FINE TO MEDIUM SAND | TOP SOIL BROWN, FINE TO MEDIUM SAND | TOP SOIL BROWN, FINE TO MEDIUM SAND | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | BROWN, SANDY CLAY | | | BROWN, SANDY CLAY | | |
| 5 | OBSTRUCTION STOP | | BROWN, SANDY CLAY IRON STAINING STOP | LIB-T IRON STAINING STOP | | |
| 6 | | | | | | |
| 7 | | AH COLLAR STOP | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

Residential Testing Solutions, Inc.
Additional Terms

1. Residential Testing Solutions, Inc. (RTS) has not been retained to warrant, guarantee or certify the proper functioning of the systems for any period of time beyond the date of inspection. Due to the numerous factors (usage, maintenance, tank pumping, soil characteristics, previous failures, etc.) which may affect the proper operation of a well or septic system, as well as the inability of RTS to supervise or monitor the use of maintenance of the system or well, the report shall not be construed as a warranty by RTS that the system/well will function properly for any particular period of time.
2. Minimum compliance inspection requirements relative to this inspection and this report include only verification that the septic system has a water tight septic tank(s) and lift tank, the required separation from the bottom of the drainfield/mound distribution medium and saturated soils, no back-ups of sewage into the dwelling and no discharge of sewage/effluent onto the ground surface or surface water. RTS does not inspect basement ejector pumps or exterior lift tank pumps as they are considered to be a "maintenance item." Sewage backup verification is limited to observing the floor drain area and/or the information supplied by the last occupants of the dwelling prior to inspection. RTS cannot guarantee that the information given to it by the last occupants of the dwelling is accurate. Some persons may attempt to hide or conceal signs of previous back-ups.
3. Certification of this system does not warranty future use beyond the date of inspection. Any system, old or new, can be hydraulically overloaded as a result of more people moving into the house than were previously occupying it, improper maintenance and/or heavy usage, tree roots, freezing conditions, surface drainage problems, or the system can simply stop working because of age. The average life expectancy of a properly maintained septic system is twenty to twenty-five years.
4. A Compliance Inspection is not meant to be a test or inspection for longevity of the septic system but rather is strictly for the purpose of determining if the septic system is polluting the environment at the date and time the inspection is performed. This inspection is not intended to determine if the septic 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 during winter weather are more difficult to perform because of possible snow cover and/or ground frost. Septic system components such as tanks, tank covers, drop boxes, drop box covers and soil treatment areas are more difficult to locate in these conditions. Soild borings and drainfield locations are also more difficult to perform due to ground frost. RTS will attempt to use the same level of standards when performing winter work as when performing non-winter work however Client understands that due to the aforementioned considerations, the same level of standards may not be possible.
6. Client hereby agrees to indemnify, save and hold RTS, its agents and employees harmless from any claims or causes of action, including attorney's fees, arising from the performance of this Contract by the RTS or its agents or employees.

Lisa Waldock
Client

3/21/16
Date

Address: 7525 99th Ct. Grant Twp.