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#### 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

#### System Status

System status on date (mm/dd/yyyy): \_5/8/2018

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

#### 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 Info      | ormation  | Parcel ID# or Sec/Twp/Range: 1103021230003 |  |  |  |  |
|--------------------|---|--|--|--|--|--|
| Property address:  | 10600 Kelvin Ave. Stillwater, MN  | Reason for inspection: Property Transfer   |  |  |  |  |
| Property owner:    | Pat Casagrande and Greg Dueberry  | Owner's phone: 651-428-9360                |  |  |  |  |
| or                 |   |  |  |  |  |  |
| Owner's represen   | tative:   | Representative phone:                      |  |  |  |  |
| Local regulatory a | uthority:   | Regulatory authority phone:                |  |  |  |  |
| Brief system desc  | ription:  |  |  |  |  |  |
| Commente ou un     | and the second se |  |  |  |  |  |

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:    | Paul Brandt                       | Certification number:   | 5182       |
|--------------------|-----------------------------------|-------------------------|------------|
| Business name:     | Soil Investigation & Design, Inc. | License number:         | 3263       |
| Inspector signatur | e: faithand                       | Phone number:           | 6512603783 |
| Necessary or       | Locally Required Attachments      |                         |            |
| Soil boring lo     | ogs System/As-built drawing       | Forms per local ordinan | ce         |
| Other inform       | ation (list):Tank integrity       |                         |            |
|                    |                                   |                         |            |

| www.pca.state.mn.us   | •  | 651-296-6300 | • | 800-657-3864 | TTY 651-282-5332 or 800-657-3864 | Available in alternative formats |
|-----------------------|----|--------------|---|--------------|----------------------------------|----------------------------------|
| wq-wwists4-31b • 6/4/ | 14 |              |   |              |                                  | Page 1 of 3                      |

For local tracking purposes:

Noncompliant – Notice of Noncompliance

(See Upgrade Requirements on page 3.)

## 1. Impact on Public Health - Compliance component #1 of 5

| Compliance criteria:   |            | Verification method(s):  |
|--|------------|--|
| System discharges sewage to the<br>ground surface.                               | 🗆 Yes 🖾 No | <ul> <li>☑ Searched for surface outlet</li> <li>☑ Searched for seeping in yard/backup in home</li> </ul>                                 |
| System discharges sewage to drain tile or surface waters.                        | □ Yes ⊠ No | Excessive ponding in soil system/D-boxes     Homeowner testimony (See Comments/Explanation   |
| System causes sewage backup into dwelling or establishment.                      | 🗆 Yes 🖾 No | "Black soil" above soil dispersal system   |
| Any "yes" answer above ind<br>system is an imminent threat<br>health and safety. |            | <ul> <li>System requires "emergency" pumping</li> <li>Performed dye test</li> <li>Unable to verify (See Comments/Explanation)</li> </ul> |
|  |            | Other methods not listed (See Comments/Explana   |

#### Comments/Explanation:

#### 2. Tank Integrity - Compliance component #2 of 5

| Compliance criteria:  |            | Verification method(s):  |  |  |  |
|---|------------|--|--|--|--|
| System consists of a seepage pit,<br>cesspool, drywell, or leaching pit.<br>Seepage pits meeting 7080.2550 may be | 🗌 Yes 🖾 No | <ul> <li>Probed tank(s) bottom</li> <li>Examined construction records</li> <li>Examined Tank laterative form (due to b)</li> </ul>                       |  |  |  |
| compliant if allowed in local ordinance.<br>Sewage tank(s) leak below their<br>designed operating depth.          | Yes 🛛 No   | <ul> <li>Examined Tank Integrity Form (Attach)</li> <li>Observed liquid level below operating depth</li> <li>Examined empty (pumped) tanks(s)</li> </ul> |  |  |  |
| If yes, which sewage tank(s) leaks:   |            | Probed outside tank(s) for "black soil" Unable to verify (See Comments/Explanation)  |  |  |  |
| Any "yes" answer above indi<br>system is failing to protect gr  |            | Other methods not listed (See Comments/Explanation)  |  |  |  |

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: 8/29/1988   | Unknown      | Verification method(s):   |                    |  |  |  |
|---|--------------|---|--------------------|--|--|--|
| (mm/dd/yyyy)<br>Shoreland/Wellhead protection/Food beverage<br>lodging?   | 🗌 Yes 🖾 No   | Soil observation does not expire. Previous soil<br>observations by two independent parties are sufficient,<br>unless site conditions have been altered or local |                    |  |  |  |
| Compliance criteria:  |              | requirements differ.  |                    |  |  |  |
| For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead  | 🖾 Yes 🗌 No   | Conducted soil observation(s) (A  | ttach boring logs) |  |  |  |
| Protection Area or not serving a food,  |              | Two previous verifications (Attac   | h boring logs)     |  |  |  |
| beverage or lodging establishment:  |              | Not applicable (Holding tank(s), no   | drainfield)        |  |  |  |
| Drainfield has at least a two-foot vertical   |              | Unable to verify (See Comments/E  | xplanation)        |  |  |  |
| separation distance from periodically<br>saturated soil or bedrock.   |              | Other (See Comments/Explanation)  |                    |  |  |  |
| Non-performance systems built April 1,<br>1996, or later or for non-performance<br>systems located in Shoreland or Wellhead<br>Protection Areas or serving a food,<br>beverage, or lodging establishment: | ☐ Yes ☐ No   | Comments/Explanation:   |                    |  |  |  |
| Drainfield has a three-foot vertical<br>separation distance from periodically<br>saturated soil or bedrock.*  |              |   |                    |  |  |  |
| "Experimental", "Other", or "Performance"   | Yes No       | Indicate depths or elevations   | evations           |  |  |  |
| systems built under pre-2008 Rules; Type IV<br>or V systems built under 2008 Rules (7080.<br>2350 or 7080.2400 (Advanced Inspector  |              | A. Bottom of distribution media   | 978                |  |  |  |
| License required)   |              | B. Periodically saturated soil/bedrock  | 975.5              |  |  |  |
| Drainfield meets the designed vertical<br>separation distance from periodically   |              | C. System separation  | 2.5                |  |  |  |
| saturated soil or bedrock.  |              | D. Required compliance separation*  | 2                  |  |  |  |
| Any "no" answer above indicates the failing to protect groundwater.   | he system is | *May be reduced up to 15 percent if<br>Ordinance.   | allowed by Local   |  |  |  |

| 5. | <b>Operating</b> Permit | and Nitrogen  | BMP* - Compliance component #5 of 5 | Not applicable |
|----|-------------------------|---------------|-------------------------------------|----------------|
|    |                         | and millingen | Diffice component #3 01 3           |                |

| 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 |

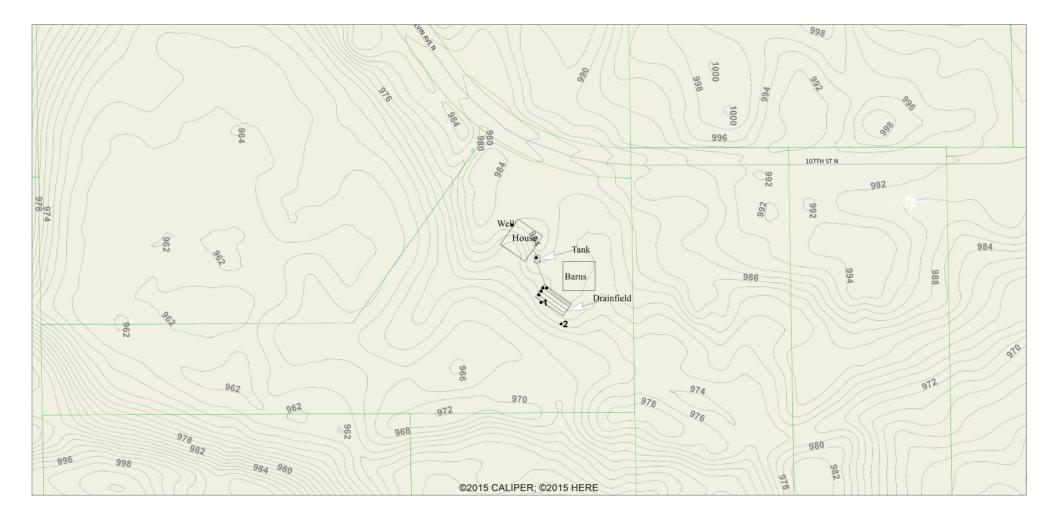
BMP = Best Management Practice(s) specified in the system design

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

**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, 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.



|   | Figure 1: Site Detail Map  |
|---|--|
| Soil Investigation & Design, Inc,<br>2809 78th Ave. N<br>Brooklyn Park, Mn 55444<br>pbrandt@soilinvestigations.us<br>651-260-3783 | Client: Greg Dueberry Pat Casagrande<br>10600 Kelvin Ave. N Stillwater, MN |



## Soil Observation Log

| PROGRAM       | TAN                |                 |              |            |  | Project ID: v 04.17.2018                              |                        |                |                    |                  |
|---------------|--------------------|-----------------|--------------|------------|--|---|------------------------|----------------|--------------------|------------------|
|               | Client:            | Pa              | at Casagr    | ande/Gre   | g Dueberry   | Location / Address: 10600 Kelvin Ave. N Stillwater MN |                        |                |                    | Stillwater MN    |
| Soil parent m | naterial(s): (Cl   | neck all th     | at apply)    |            | Outwash 🗌 Lacustrine   | Loess 🗸   | Till 🗌 Alluv           | ium 🗌 Bedro    | ock 🗌 Organ        | ic Matter        |
| Landscape Po  | osition: (check    | ( one)          | Summi        | it 🔽 Shou  | ulder Back/Side Slo  | pe Foot Slope   | Toe Slope              | Slope shape    | Con                | vex, Linear      |
| Vegetation:   |                    | Grass           |              | Soi        | l survey map units:  |   | Slope %:               | 5.0            | Elevation:         | 980              |
| Weather Con   | ditions/Time       | of Day:         |              |            | 65 deg, mostly   | y Sunny   |                        | Date           | 0                  | 5/08/18          |
| Observatio    | n #/Location:      |                 |              | So         | oil Boring 1   |   | Obse                   | ervation Type: |                    | Auger            |
| Depth (in)    | Texture            | Rock<br>Frag. % | Matrix       | Color(s)   | Mottle Color(s)  | Redox Kind(s)   | Indicator(s)           | I-<br>Shape    | Structure<br>Grade | I<br>Consistence |
| 0 to 9        | Fine Sandy<br>Loam | <35%            | 7.5YR        | 3/3        |  |   |                        | Blocky         | Moderate           | Friable          |
| 9 to 30       | Fine Sandy<br>Loam | <35%            | 7.5YR        | 4/4        |  |   |                        | Blocky         | Moderate           | Friable          |
| 30 to 44      | Loam               | <35%            | 7.5YR        | 2.5/3      |  |   |                        | Blocky         | Moderate           | Friable          |
| 44 to 50      | Loam               | <35%            | <u>7.5YR</u> | 5/4        | <u>5YR 4/6</u><br><u>5YR 4/1</u>   | Concentrations<br>Depletions                          | <u>51</u><br><u>51</u> | Blocky         | Moderate           | Friable          |
|               |                    |                 |              |            |  |   |                        |                |                    |                  |
|               |                    |                 |              |            |  |   |                        |                |                    |                  |
|               |                    |                 |              |            |  |   |                        |                |                    |                  |
| Comments      |                    | ·               |              |            |  |   | ·                      |                |                    |                  |
| P             | aul Brandt         | -               | this work    | (in accord | dance with all application of the second standard stand<br>Standard standard stan |   | ules and laws.         | 5182           |                    | 5/8/2018         |
| (Desi         | igner/Inspecto     | r)              |              |            | (Signature)  |   |                        | (License #)    |                    | (Date)           |

# Additional Soil Observation Logs



|               | Additio          | ///dt 5     |              |            |                       | Project ID: Program                                  |                 |                |             |             |
|---------------|------------------|-------------|--------------|------------|-----------------------|--|-----------------|----------------|-------------|-------------|
|               | Client           | Р           | at Casagra   | ande/Gre   | g Dueberry            | Location / Address: 10600 Kelvin Ave. N Stillwater M |                 |                |             |             |
| Soil parent n | naterial(s): (Cl | neck all th | nat apply)   |            | Outwash 🗌 Lacustrin   | e 🗸 Loess 🗌  | ] Till 🛛 🗌 Allu | vium 🗌 Bed     | rock 🗌 Orga | nic Matter  |
| Landscape P   | osition: (check  | (one)       | Summit       | t 📝 Shou   | Ilder 🗌 Back/Side Slo | pe 🗌 Foot Slope                                      | Toe Slope       | Slope shape    | Conv        | vex, Linear |
| Vegetation:   |                  | Grass       |              | Soi        | l survey map units:   |  | Slope %:        | 5.0            | Elevation:  | 979         |
| Weather Cor   | ditions/Time     | of Day:     |              |            | 65 Mostly Su          | unny   |                 | Date:          | 0           | 5/08/18     |
| Observatio    | n #/Location:    |             |              | So         | il Boring 2           |  | Obse            | ervation Type: |             | Auger       |
| Denth (in)    | Tautum           | Rock        |              |            | Mattle Calar(a)       |  | la disstan(s)   | -              | Structure   |             |
| Depth (in)    | Texture          | Frag. %     | Matrix       | Color(s)   | Mottle Color(s)       | Redox Kind(s)  | Indicator(s)    | Shape          | Grade       | Consistence |
| 0 to 7        | Fine Sandy       | <35%        | 7.5YR        | 3/3        |                       |  |                 | Blocky         | Friable     |             |
|               | Loam             |             |              |            |                       |  |                 | _              |             |             |
| 7 24          | Fine Sandy       |             | <35% 7.5YR   |            |                       |  |                 | Blocky         | Moderate    | Friable     |
|               | Loam             |             |              |            |                       |  |                 | ,              |             |             |
| 24 to 28      | Loam             | <35%        | 7.5YR        | 2.5/3      |                       |  |                 | Blocky         | Moderate    | Friable     |
| 2100 20       | Loam             |             |              |            |                       |  |                 | BIOCKY         |             |             |
| 28 to 31      | Loam             | <35%        | <u>7.5YR</u> | <u>5/4</u> |                       |  |                 | Blocky         | Moderate    | Friable     |
| 20 10 51      | Louin            | -33/0       |              |            |                       |  |                 |                |             |             |
| 31 to 44      | Loam             | Loam <35%   | 7.5YR        | 2.5/3      |                       |  |                 | Blocky         | Moderate    | Friable     |
| 51 to 11      | Louin            | .33%        |              |            |                       |  |                 | btocky         | Moderate    |             |
|               |                  |             |              |            |                       |  |                 |                |             |             |
|               |                  |             |              |            |                       |  |                 |                |             |             |
|               |                  |             |              |            |                       |  |                 |                |             |             |
|               |                  |             |              |            |                       |  |                 |                |             |             |
| Comments      |                  |             |              |            |                       |  |                 |                |             |             |

| Textures:                                     | extures: Subsoil Indicator(s) of Saturation: Co  |  |  | Consistence:  |  |  |  |  |  |  |
|---|--|--|--|---------------|--|--|--|--|--|--|
| c-clay S1. Distinct gray or                   |  |  | red redox features   | Loose-        | Intact specimen not available                                |  |  |  |  |  |
| sic-silty clay S2. Deplete                    |  | S2. Depleted matri   | x (value >/=4 and chroma =2)</td <td>Friable-</td> <td colspan="4">Slight force between fingers</td> | Friable-      | Slight force between fingers                                 |  |  |  |  |  |
| sc-sandy clay                                 |  | S3. 5Y chroma =</td <td>3</td> <td><u>Firm-</u></td> <td>Moderate force between fingers</td> | 3  | <u>Firm-</u>  | Moderate force between fingers                               |  |  |  |  |  |
| cl clay loam                                  |  | S4. 7.5 YR or redde  | er faint redox concentrations or redox depletio  | Extremely     | Moderate force between hands or slight                       |  |  |  |  |  |
| cl-clay loam                                  |  | <u> </u> <u>f</u>  |  |               | foot pressure  |  |  |  |  |  |
| sicl-silty clay loam                          |  |  | If yes to one of the above indicators then:  | <u>Rigid-</u> | Foot pressure  |  |  |  |  |  |
| scl-sandy clay loam                           |  |  | Topsoil Indicator(s) of Saturation:  | Slope Shape:  |  |  |  |  |  |  |
| si-silt                                       |  |  | T1. Wetland Vegetation   | Slope shape i | lope shape is described in two directions: up and down slope |  |  |  |  |  |
| sil-silt loam                                 |  | *Sand Modifiers  | T2. Depressional Landscape   | (perpendicula | icular to the contour), and across slope (along the          |  |  |  |  |  |
| l-loam  |  | co-coarse T3. Organic texture or organic modifiers   |  |               | tal contour); e.g. Linear, Convex or LV'.                    |  |  |  |  |  |
| sl-sandy loam                                 | n*   | m-medium T4. N 2.5/ 0 color  |  |               | MITTLE MITTLE  |  |  |  |  |  |
| ls-loamy sand                                 | d*   | f-fine   | T5. Redox features in topsoil  |               |  |  |  |  |  |  |
| s-sand* vf-very fine T6. Hydraulic indicators |  |  |  | VL            |  |  |  |  |  |  |
| Soil Structure                                |  |  |  |               |  |  |  |  |  |  |
| Grade:  |  |  |  |               |  |  |  |  |  |  |
|   | assive- No observable aggregates, or no orderly arrangement of natural lines of weakness   |  |  |               | TICL TILOV MICO  |  |  |  |  |  |
| Weak-   | Poorly formed  | l, indistinct peds, b  | arely observable in place  |               | te el te   |  |  |  |  |  |
| Moderate-                                     | Well formed,   | distinct peds, mode  | erately durable and evident, but not distinct in   | undisturbed   | (adapted from Wysock), V = Convex Surface flow               |  |  |  |  |  |
| Ntrong_                                       | Durable peds that are quite evident in un-displaced soil, adhere weakly to one another   |  |  |               |  |  |  |  |  |  |
| Strong  | withstand disp   | placement, and bec   | come separated when soil is disturbed  |               | Landscape Position:  |  |  |  |  |  |
| Loose-  | No peds, sand  | ly soil  |  |               | Summit   |  |  |  |  |  |
|   | Shoulder<br>Back/Side  |  |  |               |  |  |  |  |  |  |
| Soil Structur                                 | e  |  | Foot Slope   |               |  |  |  |  |  |  |
| Shape:  |  |  |  |               |  |  |  |  |  |  |
| <u>Granular-</u>                              | Granular- The peds are approximately spherical or polyhedral and are commonly found in topsoil. These are the small, rounded peds that hang onto roots |  |  |               |  |  |  |  |  |  |
| <u>Platy-</u>                                 | aty- The peds are flat and plate like. They are oriented horizontally and are usually overlapping. Platy structure is commonly found in forested areas |  |  |               |  |  |  |  |  |  |
|   | ocky- The peds are block-like or polyhedral, and are bounded by flat or slightly rounded surface that are casting of the faces of surrounding peds.    |  |  |               |  |  |  |  |  |  |
|   |  |  |  |               |  |  |  |  |  |  |
| Single Grain-                                 | The structure  | found in a sandy so  | oil. The individual particles are not held togeth  | er.           |  |  |  |  |  |  |

| Washington<br>©County   | DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT<br>GOVERNMENT CENTER<br>14949 62nd STREET NORTH P.O. BOX 6 STILLWATER, MN 55082-0006<br>Office: 651-430-6655 TTY: 651-430-6246 FAX: 651-430-6730  |
|---|---|
|   | surface Sewage Treatment System Maintenance Permit  |
| prior to performing maintenance act   | ety to constitute a valid maintenance permit. This permit must be completed tivities and remain on-site for the duration of the maintenance activity.   |
| Date of Maintenance: <u>7577</u> Rea  | son for Maintenance: Rolling  |
| Property Address: 10600 161111 +  | Ave N Property Owner's Name: Pat Casagrande   |
| Municipality: StillWater ZIP: 5   | 5082_Property Identification Number:  |
| Maintenance Permit No: <u>C856701235</u>  | Maintainer Name and License No. Pinky's Environmental Sewer Service/ L1673  |
|   |   |
| Maintenance Performed   | Tank Measurement (must be completed if tanks NOT pumped)  |
| Tank(s) Pumped  | Liquid Level of Tank ——— in   |
| Sludge and scum measured  | Sludge Level in Tank in Scum Level in Tank in   |
| Do tanks need to be pumped?   | Sludge + Scum / Liquid Level X 100  |
| Yes No (if no provide measuremen  | I dinks must be pulliped if 25% of greater  |
| 1. Access used to remove septage: A Mainte  | enance Hole Dother (enter authorization code) Tark Ch Charles ping  |
|   | es 🗆 No   |
| evidence of damaged, cracked, or struct   | septic, holding, pretreatment or pump tank below the operating depth or<br>curally unsound maintenance hole covers?   |
|   |   |
|   |   |
| Tank  | Leaking Out Leaking In Cover Damage   |
| Tank<br>Septic/Holding Tank #1  | Looking Out   |
| Tank<br>Septic/Holding Tank #1<br>Septic/Holding Tank #2  | Leaking Out Leaking In Cover Damage   |
| Tank<br>Septic/Holding Tank #1<br>Septic/Holding Tank #2<br>Pretreatment Tank   | Leaking Out     Leaking In     Cover Damage       Yes     No     Yes     No   |
| Tank<br>Septic/Holding Tank #1<br>Septic/Holding Tank #2<br>Pretreatment Tank<br>Pump Tank  | Leaking Out     Leaking In     Cover Damage       Yes     No     Yes     No   |
| Tank         Septic/Holding Tank #1         Septic/Holding Tank #2         Pretreatment Tank         Pump Tank         4. How many gallons of septage were removed  | Leaking Out     Leaking In     Cover Damage       Yes     No     Yes     No   |
| Tank         Septic/Holding Tank #1         Septic/Holding Tank #2         Pretreatment Tank         Pump Tank         4. How many gallons of septage were remove         Tank #1         125       gal         Tank #2   | Leaking Out       Leaking In       Cover Damage         Yes       No       Yes       No         gal       Pretreatment tank       gal       Pump Tank   |
| Tank         Septic/Holding Tank #1         Septic/Holding Tank #2         Pretreatment Tank         Pump Tank         4. How many gallons of septage were remove         Tank #1         125       gal         Tank #2   | Leaking Out     Leaking In     Cover Damage       Yes     No     Yes     No   |
| Tank         Septic/Holding Tank #1         Septic/Holding Tank #2         Pretreatment Tank         Pump Tank         4. How many gallons of septage were remove         Tank #1         125       gal         Tank #2   | Leaking Out       Leaking In       Cover Damage         Yes       No       Yes       No         gal       Pretreatment tank       gal       Pump Tank   |
| Tank         Septic/Holding Tank #1         Septic/Holding Tank #2         Pretreatment Tank         Pump Tank         4. How many gallons of septage were remove         Tank #1         125       gal         Tank #2   | Leaking Out       Leaking In       Cover Damage         Yes       No       Yes       No         gal       Pretreatment tank       gal       Pump Tank   |
| Tank         Septic/Holding Tank #1         Septic/Holding Tank #2         Pretreatment Tank         Pump Tank         4. How many gallons of septage were remove         Tank #1         JZSD         gal         Tank #2  | Leaking Out       Leaking In       Cover Damage         Yes       No       Yes       No         gal       Pretreatment tank       gal       Pump Tank   |
| Tank         Septic/Holding Tank #1         Septic/Holding Tank #2         Pretreatment Tank         Pump Tank         4. How many gallons of septage were remove         Tank #1         125         gal         Tank #2         5. Other information: List any troubleshootin         6. Location of septage disposal:  | Leaking Out       Leaking In       Cover Damage         Yes       No       Yes       No         gal       Pretreatment tank       gal       Pump Tank       gal         ag, minor repairs conducted, tank safety concerns, or other concerns.       MMM   |
| Tank         Septic/Holding Tank #1         Septic/Holding Tank #2         Pretreatment Tank         Pump Tank         4. How many gallons of septage were remove         Tank #1         125         gal         Tank #2         5. Other information: List any troubleshootin         6. Location of septage disposal:  | Leaking Out       Leaking In       Cover Damage         Yes       No       Yes       No         gal       Pretreatment tank       gal       Pump Tank   |
| Tank         Septic/Holding Tank #1         Septic/Holding Tank #2         Pretreatment Tank         Pump Tank         4. How many gallons of septage were remove         Tank #1         125         gal         Tank #2         5. Other information: List any troubleshootin         6. Location of septage disposal:  | Leaking Out       Leaking In       Cover Damage          Yes       No       Yes       No          Yes       No       Yes       No         Yes       No       Yes       No         Yes       No       Yes       No         gal       Pretreatment tank       gal       Pump Tank       gal         arg, minor repairs conducted, tank safety concerns, or other concerns.       The summer concerns.   |
| Tank         Septic/Holding Tank #1         Septic/Holding Tank #2         Pretreatment Tank         Pump Tank         4. How many gallons of septage were remove         Tank #1       Image: Comparison of the septage were remove         Tank #1       Image: Comparison of the septage were remove         So Other information: List any troubleshooting         6. Location of septage disposal:         Pink  | Leaking Out       Leaking In       Cover Damage         \overline Yes       No       Yes       No         \overline gal       Pump Tank       gal         \overline gal       Pump Tank       gal         \overline yes       concerns, or other concerns.  |
| Tank         Septic/Holding Tank #1         Septic/Holding Tank #2         Pretreatment Tank         Pump Tank         4. How many gallons of septage were remove         Tank #1       Image: Comparison of the septage were remove         Tank #1       Image: Comparison of the septage were remove         Tank #1       Image: Comparison of the septage were remove         Tank #1       Image: Comparison of the septage were remove         Tank #1       Image: Comparison of the septage were remove         6. Location of septage disposal:       Image: Comparison of the septage disposal:         Pink         P: 65 | Leaking Out       Leaking In       Cover Damage         Yes       No       Yes       No         gal       Pretreatment tank       gal       Pump Tank       gal         rg, minor repairs conducted, tank safety concerns, or other concerns.       gal         y's Environmental Sewer Service Inc.       PO Box 354         Afton MN 55001       S1-439-4847       License Number: L1673  |
| Tank         Septic/Holding Tank #1         Septic/Holding Tank #2         Pretreatment Tank         Pump Tank         4. How many gallons of septage were remove         Tank #1       Image: Comparison of the septage were remove         Tank #1       Image: Comparison of the septage were remove         Tank #1       Image: Comparison of the septage were remove         Tank #1       Image: Comparison of the septage were remove         Tank #1       Image: Comparison of the septage were remove         6. Location of septage disposal:       Image: Comparison of the septage disposal:         Pink         P: 65 | Leaking Out       Leaking In       Cover Damage         Yes       No       Yes       No         gal       Yes       No       Yes         gal       Pretreatment tank       gal       Pump Tank       gal         age, minor repairs conducted, tank safety concerns, or other concerns.       gal         y's Environmental Sewer Service Inc.       PO Box 354         Afton MN 55001       Afton MN 55001 |



Compliance Inspection Compliance Inspection # \_\_\_\_\_

| System Status   |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
|---|--|---|--|------------------|--------------------------|-----------------------|-------------------------|----------------|-----------------|-------------|----------------|-------------|---------------|------------|----------------|-------------|
| System status on date:  |  | 05/09/2018                                    |  |                  |                          | Sy                    | stem Status:            |                |                 |             | Compliant      |             |               |            |                |             |
| Property Information  |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Property Information:   | Selected:  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
|   | Complianc  | e Status                                      | Property                                       | Record           |                          |                       |                         | Address        |                 |             | Prope          | erty Owner  |               | Propert    | Attributes     |             |
|   | Compliance Expiration  | Compliance Status                             | Parent GeoCode                                 |                  |                          | Building Number       | ***********             |                |                 | Municipalit |                | Dwner       | Lot Block     | Plat       | Year Built Pr  | operty Hold |
|   |  |   |  | 1103021230003    |                          | 10600                 | KELVIN                  | AVE N          | STILLWATER      |             | 55082 CASA     |             | 4 1           | GRANT      | 1987           |             |
|   |  |   |  |                  | KELVIN AVE<br>N, CITY OF |                       |                         |                |                 | GRANT       | PAIR           | ICIA M      |               | ESTATES    |                |             |
|   |  |   |  |                  | GRANT                    |                       |                         |                |                 |             |                |             |               |            |                |             |
|   |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Owner's representative:                                       | Name:  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
|   | Greg Deuberry  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
|   | Phone:   |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
|   | (651 ) 428 - 9360  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
|   | Email:   |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
|   | gdeuberry@icloud.com   |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Impact on Public H  | lealth   |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| System discharges sewage                                      |  | No  |  |                  |                          |                       | System                  | n discharges   | sewage to       |             | No             | System of   | auses sewa    | e backup   |                | No          |
| the ground surface:   |  |   |  |                  |                          |                       |                         | e or surface v |                 |             |                |             | ng or establi |            |                |             |
| Verification method(s):                                       |  | Searched for surface                          |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
|   |  | Searched for seeping in yard/backup into home |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| -   |  | Homeowner testimor                            | Homeowner testimony (See Comments/Explanation) |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Tank Integrity  |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| System consists of seepag<br>cesspool, drywell, or leaching   |  | No  |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Sewage tank(s) leak below                                     |  | No  |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| designed operating depth:                                     |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Verification method(s):                                       |  | Probed tank(s) botto                          | m  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
|   |  | Other methods not li                          | sted (See Commer                               | nts/Explanation) |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Comments/Explanation:   |  | Please see tank inte                          | grity report from Pi                           | inky's           |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Other Compliance  | Conditions   |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Maintenance hole covers an                                    |  | No  |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| unsecured, or appear to be                                    |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Other issues (electrical haz<br>immediately and adversely i   |  | No  |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| health or safety:   | Impact public  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| System is non protective of                                   | groundwater for other  | No  |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| conditions as determined by                                   |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Date of Install   |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Date of install known:  |  | Yes   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Date of installation:   |  | 08/26/1986                                    |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Soil Separation   |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Shoreland/Wellhead Protect                                    | tion/Food, beverage,   | No  |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| lodging?  |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Drainfield has at least a two<br>distance from periodically s |  | Yes   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
|   |  | Yes   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Drainfield meets the design<br>distance from periodically s   |  | 165   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Verification method(s):                                       |  | Conducted soil obse                           | rvation(s) (Attach b                           | oring logs)      |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| A. Bottom of distribution me                                  | vdia:  | 978 Decimal Feet                              |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| B. Periodically saturated so                                  |  | 975.5 Decimal Feet                            |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
|   | boulock.   |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| C. System separation:   |  | 2.5 Decimal Feet                              |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| D. Required compliance set                                    |  | 2 Decimal Feet                                |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Operating Permit a<br>Is system operating under a             |  | No  |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
|   |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Is the system required to er                                  |  | No  |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Comments and File<br>Attach Files:                            | e Attachments  | · · · · · ·                                   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Attach Files:   |  | File 1: 🖖 10600KelvinTank_form.pdf            |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
|   |  | File 2: 🖖 Copy_of_ssts_soii_log_041818.pdf    |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
|   |  | File 3: 🖑 Figure_1.                           | .pdf   |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Certification   |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Inspector:  |  | Selected:                                     |  |                  |                          |                       |                         |                |                 |             |                |             |               | Please     | arch for and c | hoose       |
|   |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               | 1 10030 30 |                | 10036       |
|   |  | Nam<br>Soil Investigation                     |  | ense Number P    |                          | 2809 78th Ave N I     | Address<br>Brooklyn Cen | tor MN EEAA    |                 | *********   | ervice Provide | Yes         | Yes           |            |                |             |
|   |  |   |  |                  |                          | 2000 - YOUT AVE IN I  | Si Sukiyin Cen          | .o., wire 0044 | 140             |             |                | 163         | 103           |            |                |             |
| SELF/OTHER if what you need does not appear in the list       |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Inspector Contact (If 'self/ot                                | her' is selected from the                                      | Paul Brandt #5182                             |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Inspector Lookup):  |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Inspector Email Address:                                      |  | pbrandt@soilinvestig                          | ations.us                                      |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Terms   |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
| Certification   |  |   |  |                  |                          |                       |                         |                |                 |             |                |             |               |            |                |             |
|   | I hereby certify that all the n<br>buse of the system, inadequ |   |  | to determine the | compliance stat          | tus of this system. N | o determinati           | on of the futu | ire system perf | ormance has | been nor can b | be made due | to unknown    | conditions | during system  |             |

| Invoice 09/15/2016  |   |           |                    |         |
|---|---|-----------|--------------------|---------|
| Charge  |   | Cost      | Quantity           | Total   |
| Compliance Inspection Fee added 05/16/2018 3:27 PM<br>\$40 Flat Fee |   | \$40.00   | x 1                | \$40.00 |
| Grand Total   |   |           |                    |         |
|   |   |           | Total              | \$40.00 |
|   |   |           | Payment 05/16/2018 | \$40.00 |
|   |   |           | Due                | \$0.00  |
| Approvals   |   |           |                    |         |
| Approval  |   | Signature |                    |         |
| Applicant   | Paul J. Brandt - 05/16/2018 3:27 PM<br>a70bbb63fca2622ca0ad3458da2a8e63<br>0367178ae7caac3f810214f242cb5f55 |           |                    |         |
| #1 Compliance Inspection Accepted                                   |   |           |                    |         |
| Public Notes  |   |           |                    |         |

#### Internal Notes

Text: File(s):

| Text:   |  |      |
|---------|--|------|
|         |  |      |
|         |  |      |
|         |  | <br> |
| The(3). |  |      |
|         |  |      |

Print View