



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): 7/13/2016

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: 284 Laurel Road, Mahtomedi Reason for inspection: Property Transfer

Property owner: Lyle Peterson Owner's phone: _____

or
Owner's representative: _____ Representative phone: _____

Local regulatory authority: Washington County Regulatory authority phone: _____

Brief system description: 2 septic tank, 1000 gallon lift station, mound system

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: _____ Phone number: 612-991-7004

Necessary or Locally Required Attachments

- Soil boring logs
- System/As-built drawing
- Forms per local ordinance
- 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: 10/17/2001 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:

Indicate depths or elevations

A. Bottom of distribution media	
B. Periodically saturated soil/bedrock	
C. System separation	41
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.

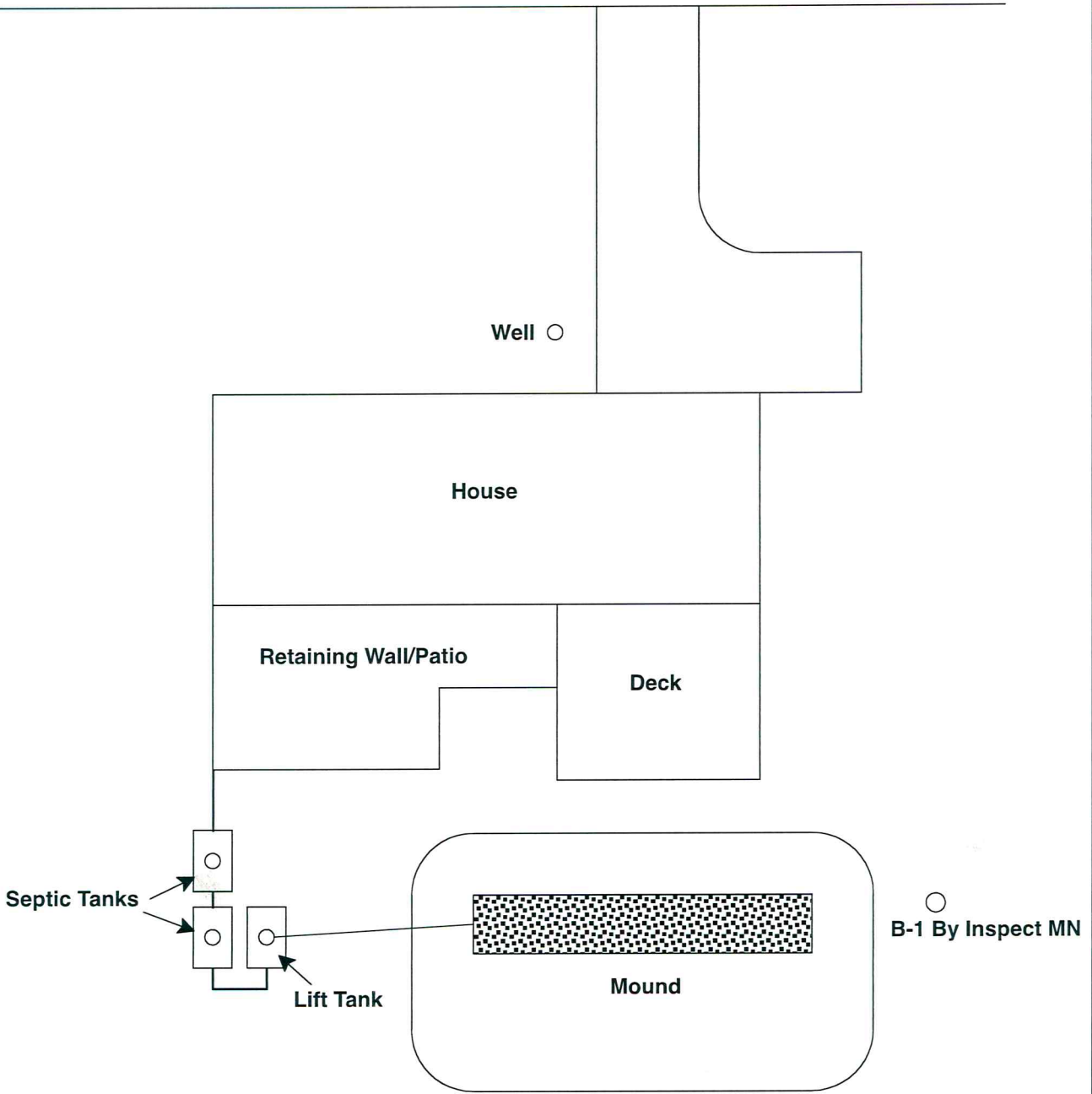
Upgrade Requirements (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, 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.

Log Of Soil Borings

Location of Project:		284 Laurel Road, Mahtomedi, MN 55115	
Borings Made By:		Inspect Minnesota	Date: 4/18/11
Auger Used:		Hand/Bucket	Classification System: USDA
Boring Number:		1	Boring Number:
Surface Elevation of Boring	45" below top of mound at upslope edge of rock bed on original contour		Surface Elevation of Boring
Depth In Inches	<u>Soils Encountered</u>	Depth In Inches	<u>Soils Encountered</u>
0-12	7.5YR 2.5/2 Loam		
12-18	7.5YR 3/4 Loamy Sand		
18-27	7.5YR 4/4 Loamy Sand, Trace Gravel		
27-42	7.5YR 4/4 Loamy Sand, Trace Gravel With 5YR 4/8 & 7.5YR 5/3 Redox		
27"	Depth To End Of Boring Or Redox		Depth To End Of Boring Or Redox
+45"	Elevation Of Boring Relative To System		Elevation Of Boring Relative To System
-31"	Depth To Bottom Of System		Depth To Bottom Of System
=41"	Of Separation		Of Separation
End Of Boring At:	42"	End Of Boring At:	
Redox Present At:	27"	Redox Present At:	
Standing Water Present At:	None	Standing Water Present At:	

Bottom Of Distribution Medium At: 31 Inches

284 Laurel Road, Mahtomedi, MN



NO SCALE



Compliance Inspection Form

Existing Subsurface Sewage Treatment Systems (SSTS)

Summary Form (Completed form must be submitted to the local unit of government within 15 days.)

Parcel number: _____

System status: Compliant Noncompliant
(based on all compliance requirements)

For Local Tracking Purposes:

Property Information

Property owner name(s): Thomas & Ann Helgeson Property owner phone: 612-386-4296

Property address: 284 Laurel Road, Mahtomedi, MN 55115

Property owner address (if different): 221 Park Ave, Mahtomedi, MN 55115

County: Washington Permitting authority: Washington County

Date system constructed: 2002 Reason for inspection: Property Sale

System Description

Brief system description: Two pre-cast septic tanks, a pre-cast lift tank, and a mound

Local permit number: 1000-01004 Number of bedrooms: 4 Design flow rate: 450GPD/3 Bedroom

Is the system:

In Shoreland area? Yes No In Wellhead Protection Area? Yes No

An U.S. Environmental Protection Agency (EPA) Class V Injection Well? Yes No System serving a Minnesota Department of Health (MDH) licensed facility? Yes No

Compliance Status (Based on state requirements – additional local requirements may also apply.)

Based on the information gathered and reported on attached forms, the compliance status of this system is (check one):

Certificate of Compliance – valid until (3 years from date of report): 4/20/2014

Notice of Noncompliance - For Noncompliant systems:

The reason for noncompliance is: _____

This noncompliant system is classified as (check one below):

Imminent threat to public health & safety Failing to protect ground water Not in compliance with operating permit

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.

Name: Brian Humpal Certification number: L5342

Business license name and number: Inspect Minnesota, Midwest Soil Testing or

Name of local unit of government: _____

Signature: Brian Humpal Date: 4/20/2011

Required Attachments

Hydraulic Performance Tank Integrity Operating Permit Form (if applicable)

Soil Boring Logs Soil Separation

System drawing/As-built drawing Any local requirements that are different from what is required on this form

Other information (list): Report Summary, Property Information, Disclaimer, License

Upgrade Requirements (derived from 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.

Parcel number: _____

System status: Compliant Noncompliant
(as determined by this form)

Hydraulic Performance and Other Compliance – Compliance Inspection Form for Existing SSTS Compliance Issue #1 of 4

Date of observation: 4/18/2011 Reason for observation: Property Sale

This form expires upon next inspection or in three years, whichever occurs first: 4/18/2014

Compliance questions/criteria: (Required) (Check the appropriate box)

Does the system discharge sewage to the ground surface?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Does the system discharge sewage to drain tile or surface waters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Does the system cause sewage backup into dwelling or establishment?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Do other situations exist that have the potential to immediately and adversely impact or threaten public health or safety (electrical, unsafe covers, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

Does the system pose a threat to ground water for any conditions deemed non-protective as determined by the inspector?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"Yes" indicates that the system is failing to protect ground water. If "yes", describe the condition noted:

Verification Method*: (Optional) (Check the appropriate box)

- Searched for surface outlet
- Performed hydraulic test
- Searched for seeping in yard
- Checked for backup in home
- Excessive ponding in soil system/D-boxes
- Homeowner testimony
- Examined for surging in tank
- "Black soil" above soil dispersal system
- System requires "emergency" pumping
- Performed dye test
- Other: None of the above found

Lift pump and alarm were operational at the time of inspection

** No standard protocol exists. This list is not exhaustive, in sequential order, nor does it indicate which combinations are necessary to make this determination.*

Certification

This form is to be completed and attached to the Summary Form of the Minnesota Pollution Control Agency's (MPCA) **Compliance Inspection Form for Existing Subsurface Sewage Treatment Systems**. Observations, interpretations, and conclusions must be completed by an inspector. Completed form must be submitted to the local unit of government within 15 days.

Property owner name(s): Thomas & Ann Helgeson

Property address: 284 Laurel Road, Mahtomedi, MN 55115

Property owner's address (if different): 221 Park Ave, Mahtomedi, MN 55115

County: Washington Property owner phone: 612-386-4296

I hereby certify that I personally made the observations, interpretations, and conclusions reported on this form and that they are correct.

Name: Brian Humpal Certification number: L5342

Business license name and number: Inspect Minnesota, Midwest Soil Testing **or**

Name of local unit of government: _____

Signature: Brian Humpal Date: 4/20/2011

Parcel number: _____

System status: Compliant Noncompliant
(as determined by this form)

Tank Integrity and Safety Compliance – Compliance Inspection Form for Existing SSTS

Compliance Issue #2 of 4

Date of observation: 4/18/2011 Reason for observation: Property Sale

This form expires on (three years): 4/20/2014

Compliance questions/criteria: (Required)
(Check the appropriate box)

Does the system consist of a seepage pit*, cesspool, drywell, or leaching pit?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Do any sewage tank(s) leak below their designed operating depth?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

If yes, identify which sewage tank leaks. _____
Any "yes" answer indicates that the system is failing to protect ground water.

* Seepage pits meeting 7080.2550 may be compliant if allowed in ordinance by local permitting authority.

Verification Method:** (Optional)
(Check the appropriate box)

- Probed tank bottom
- Observed low liquid level
- Examined construction records
- Examined empty (pumped) tank
- Probed outside tank for "black soil"
- Pressure/vacuum check
- Other: Lowered underwater camera into tanks - baffles and tank walls OK

** No standard protocol exists. This list is not exhaustive, in sequential order, nor does it indicate which combinations are necessary to make this determination.

Safety Check

- 1. Are maintenance hole covers damaged, cracked, or appeared to be structurally unsound? Yes* No
- 2. Were maintenance hole covers replaced in a secured manner (e.g., screws replaced)? Yes No*
- 3. Was secondary access restraint present (safety pan, second cover, or safety netting) – highly recommended. Yes No
- 4. Are other safety/health issue present? Yes* No

Explain: _____

***System is an imminent threat to public health and safety.**

Certification

This form is to be completed and attached to the Summary Form of the Minnesota Pollution Control Agency's (MPCA) **Compliance Inspection Form for Existing Subsurface Sewage Treatment Systems**. Observations, interpretations, and conclusions must be completed by an inspector, maintainer, or service provider. Completed form must be submitted to the local unit of government within 15 days.

Property owner name(s): Thomas & Ann Helgeson

Property address: 284 Laurel Road, Mahtomedi, MN 55115

Property owner's address (if different): 221 Park Ave, Mahtomedi, MN 55115

County: Washington Property owner phone: 612-386-4296

I hereby certify that I personally made the observations, interpretations, and conclusions reported on this form and that they are correct.

Name: Brian Humpal Certification number: L5342

Business license name and number: Inspect Minnesota, Midwest Soil Testing or

Name of local unit of government: _____

Signature: Brian Humpal Date: 4/20/2011

Parcel number: _____

System status: Compliant Noncompliant
(as determined by this form)

Soil Separation Compliance and Other Compliance – Compliance Inspection Form for Existing SSTS

Compliance Issue #3 of 4

Date of observation: 4/18/2011 Reason for observation: Property Sale

This information on this form does not expire.

Compliance questions/criteria: (Required)
(Check the appropriate box)

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:

Does the system have at least a two-foot vertical separation distance from periodically saturated soil or bedrock?

Yes No

For 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:

Does the system have a three-foot vertical separation distance from periodically saturated soil or bedrock?*

Yes No

For reduced separation distance systems (i.e., "performance" systems under old 7080.0179 or Type IV or V system under new 7080.2350 or 7080.2400):

Does the system meet the designed vertical separation distance from periodically saturated soil or bedrock?*

Yes No

Any "no" answer indicates that the system is failing to protect ground water.

Verification Method:** (Optional)
(Check the appropriate box)

Conducted soil observation(s) (attach boring logs)

Two previous verifications (attach boring logs)

Other: Reviewed design and permit records

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

* May be reduced by up to 15 percent if allowed in local ordinance.

** No standard protocol exists. This list is not exhaustive, in sequential order, nor does it indicate which combinations are necessary to make this determination.

Certification

This form is to be completed and attached to the Summary Form of the Minnesota Pollution Control Agency's (MPCA) **Compliance Inspection Form for Existing Subsurface Sewage Treatment Systems**. Observations, interpretations, and conclusions must be completed by an inspector or designer. Completed form must be submitted to the local unit of government within 15 days.

Property owner name(s): Thomas & Ann Helgeson

Property address: 284 Laurel Road, Mahtomedi, MN 55115

Property owner's address (if different): 221 Park Ave, Mahtomedi, MN 55115

County: Washington Property owner phone: 612-386-4296

I hereby certify that I personally made the observations, interpretations, and conclusions reported on this form and that they are correct.

Name: Brian Humpal Certification number: L5342

Business license name and number: Inspect Minnesota, Midwest Soil Testing or

Name of local unit of government: _____

Signature: Brian Humpal Date: 4/20/2011