

Compliance inspection report form

Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

Instructions:

Control Agency (MPCA) website at

Instructions for filling out this form are located on the Minnesota Pollution

Property information

Local tracking number:

Parcel ID# or Sec/Twp/Range: 2902920430002 Reason for Inspection Transfer of deed

Local regulatory authority info: WASHINGTON COUNTY

Property address: 1030 NORELL AVE N, TOWN OF WEST LAKELAND

Owner/representative: THILL GARY R & CATHERINE M Owner's phone: 651-285-1873

Brief system description: Original 1250 gallon septic tank from 1990, 1000 gallon septic and 1000 gallon pump tank to pressure bed (updated in 2007).

System status

System status on date (mm/dd/yyyy): 6/27/2024

Compliant – Certificate of compliance*

Noncompliant – Notice of noncompliance

(Valid for 3 years from report date unless evidence of an imminent threat to public health or safety requiring removal and abatement under section 145A.04, subdivision 8 is discovered or a shorter time frame exists in Local Ordinance.)

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

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

An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance or under section 145A.04 subdivision 8.

Reason(s) for noncompliance (check all applicable)

- Impact on public health (Compliance component #1) – *Imminent threat to public health and safety*
- Tank integrity (Compliance component #2) – *Failing to protect groundwater*
- Other Compliance Conditions (Compliance component #3) – *Imminent threat to public health and safety*
- Other Compliance Conditions (Compliance component #3) – *Failing to protect groundwater*
- System not abandoned according to Minn. R. 7080.2500 (Compliance component #3) – *Failing to protect groundwater*
- Soil separation (Compliance component #5) – *Failing to protect groundwater*
- Operating permit/monitoring plan requirements (Compliance component #4) – *Noncompliant - local ordinance applies*

Comments or recommendations

Pump every two years.

Certification

I hereby certify that all the necessary information has been gathered to determine the compliance status of this system. No determination of future system performance has been nor can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage.

By typing my name below, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.

Business name: SS SepticSolutions, LLC.

Certification number: 9917

Inspector signature: Shelley Schlomka

License number: 4137

(This document has been electronically signed)

Phone: 651-343-9117

Necessary or locally required supporting documentation

- Soil observation logs
- System/As-Built
- Locally required forms
- Tank Integrity Assessment
- Operating Permit
- Other information (list):

Property Address: 1030 NORELL AVE N, TOWN OF WEST LAKELAND

Business Name: SS SepticSolutions, LLC.

Date: 6/27/2024

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

Attached supporting documentation:

- Other: _____
- Not applicable

Describe verification methods and results:

2. Tank integrity – Compliance component #2 of 5

Compliance criteria:

System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, which sewage tank(s) leaks:	

Attached supporting documentation:

- Empty tank(s) viewed by inspector
 - Name of maintenance business: Pinky's
 - License number of maintenance business: _____
 - Date of maintenance: 6/27/2024
- Existing tank integrity assessment (Attach)
 - Date of maintenance (mm/dd/yyyy): _____ (must be within three years)
 - (See form instructions to ensure assessment complies with Minn. R. 7082.0700 subp. 4 B (1))*
- Tank is Noncompliant (pumping not necessary – explain below)
- Other: _____

Describe verification methods and results:

Tanks were water tight at time of inspection. The first septic tank is from the system in 1990. The second 1000 gallon septic and 1000 gallon pump tank were installed in 2007 when the system was updated. I still recommend pumping tanks every two years.

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3. Other compliance conditions – Compliance component #3 of 5

3a. Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or unsecured?

Yes No Unknown

3b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety? Yes No Unknown

3c. System is non-protective of ground water for other conditions as determined by inspector? Yes No

3d. System not abandoned in accordance with Minn. R. 7080.2500? Yes No

Describe verification methods and results:

Attached supporting documentation: Not applicable

4. Operating permit and nitrogen BMP* – Compliance component #4 of 5 Not applicable

Is the system operated under an Operating Permit? Yes No If "yes", A below is required

Is the system required to employ a Nitrogen BMP specified in the system design? Yes No If "yes", B below is required

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

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

Compliance criteria:

a. Have the operating permit requirements been met? Yes No

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

Describe verification methods and results:

Attached supporting documentation: Operating permit (Attach)

Property Address: 1030 NORELL AVE N, TOWN OF WEST LAKELAND

Business Name: SS SepticSolutions, LLC.

Date: 6/27/2024

5. Soil separation – Compliance component #5 of 5

Date of installation 6/10/2007 Unknown
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? Yes No

Attached supporting documentation:

- Soil observation logs completed for the report
- Two previous verifications of required vertical separation
- Not applicable (No soil treatment area)
- _____

Compliance criteria (select one):

5a. For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead Protection Area or not serving a food, beverage or lodging establishment: Yes No

Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.

5b. Non-performance systems built April 1, 1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment: Yes No

Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*

5c. "Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules 7080.2350 or 7080.2400 (Intermediate Inspector License required ≤ 2,500 gallons per day; Advanced Inspector License required > 2,500 gallons per day) Yes No

Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.

Indicate depths or elevations

A. Bottom of distribution media	30"
B. Periodically saturated soil/bedrock	66"
C. System separation	36"
D. Required compliance separation*	36"

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

Describe verification methods and results:

Upgrade requirements: (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, the system must be upgraded, replaced, or its use discontinued within the time required by local ordinance. If an existing system is not failing as defined in law, and has at least two feet of design soil separation, then the system need not be upgraded, repaired, replaced, or its use discontinued, notwithstanding any local ordinance that is more strict. This provision does not apply to systems in shoreland areas, Wellhead Protection Areas, or those used in connection with food, beverage, and lodging establishments as defined in law.

JOB GARY THILL
1030 NORRELL AVE
LA BAYLAND TWP

BORING LOG

DATE 4.20.2007

BOREHOLE DIAMETER 4" 3 1/2" 2 1/2"

BORINGS 1-2-3-4 FRONT YARD NOT IN TEST SITE

DEPTH FEET	HOLE #1	HOLE #2	HOLE #3	HOLE #4	HOLE #5	HOLE #6
1	TOP SOIL SAND BLACK DIRT MIXED FILL	TOP SOIL LOAMY SAND BLACK DIRT MIXED FILL	TOP SOIL SAND-BLACK DIRT MIXED FILL BROWN LOAMY FINE SAND	TOP SOIL LOAM- BLACK DIRT MIXED FILL	TOP SOIL SANDY LOAM BROWN SANDY LOAM	TOP SOIL LOAMY FINE SAND BROWN FINE SAND
2	BROWN LOAMY SAND TRACES OF BLACK DIRT	BROWN LOAMY SAND WITH TRACES OF BLACK DIRT	TRACES OF BLACK DIRT	YELLOWISH BROWN LOAM BLACK DIRT MIXED	BROWN LOAMY FINE SAND ROCKS	LIGHT BROWN MEDIUM SAND WITH SANDY LOAM LAYERS
3	BROWN MEDIUM SAND LIGHT IRON	BROWN MEDIUM SAND FAINT IRON	BROWN SILTY LOAM MOTTLED SOIL SOIL DAMP	FILL STOP	BROWN LOAMY FINE TO MEDIUM SAND	BROWN LOAMY FINE TO MEDIUM SAND
4	STOP	BROWN MEDIUM SAND MOTTLED BROWN SILTY SAND MOTTLED	STOP	STOP	CAVING STOP	BROWN FINE SAND STOP
5	POSSIBLE FILL TO 48"	POSSIBLE FILL TO 42"	POSSIBLE FILL TO 42"	POSSIBLE FILL 50"	OK 6'	OK 6' 6"
6						
7						
8						
9						
10						

JOB GARY TALL
1030 NORRILL AVE
W. CASSELAND TOWNSHIP

DATE 4.20.2007

BORING LOG

BOREHOLE DIAMETER 4" 3 1/2" 2 1/2"

DEPTH FEET	HOLE # 7	HOLE # 8	HOLE #	HOLE #	HOLE #	HOLE #
1	TOP SOIL LOAMY FINE SAND	TOP SOIL SANDY LOAM	CLASSIFICATION TOP SOIL	BROWN LOAMYSAND		
2	BROWN MEDIUM TO FINE SAND	BROWN FINE TO MEDIUM SAND	7.5 YR 3/4 BROWN SAND 7.5 YR 4/4 LIGHT BROWN SAND 7.5 YR 6/2 YELLOWISH BROWN LOAM 10 YR 5/8 FILL NO CLASSIFICATION			
3	BROWN LOAMY SAND					
4	PALE BROWN MEDIUM SAND	BROWN LOAMY FINE TO MED. SAND				
5	FAINT IRON					
6	BROWN LOAMY FINE SAND	PALE BROWN FINE SAND				
7	STOP	DETERIATED SAND STONE				
8	OK 6'6"	STOP				
9		DETERIATED SAND STONE 48"				
10		OK 6'6"				

Eklin Soil Testing & Inspections

MPCA License # 410
 (651) 337-1300

Owner's Name	GARY THILL
Job Site Address	1030 NORELL AVE N.
City or Township	W. LAKE LAND TWP.
Use of Building	HOME - 3-BEDS

Design Flow Rate	450 G.P.D.	Percolation Rate	5 MP1	Land Slope	5-7	Percent
Two Required Tank Sizes	1000 Gallons	1000 Gallons	Lift Station Tank Size	1000	Gallons	
Type of System (standard, at grade or bed)	BED					
System Size:	900	Square Feet	Linear Feet	Trench Width		
Depth of rock below pipe	10"		Depth of Rock Above Pipe	2"		
Minimum Depth of Trench From Existing Grade	24 Inches		Maximum Depth of Trench From Existing Grade	36 Inches		
Recommended Number of Trenches	—		Recommended Length of Trenches	—		
Trench Spacing Measured Center to Center	SEE DETAIL BED CROSS SECTION					
Any Other Special Conditions	TANK LOCATIONS CAN VARY					

CHECK THE EXISTING TANK FOR CAPACITY AND CODE - USE THE TANK IF POSSIBLE
 BORING - 1-2-3-4 FILL - SOIL NOT SUITABLE FOR THE DRAIN-FIELD

#1

This system has been designed by a Pollution Control Agency (PCA) Certified Professional.	
Designer Name	DALE EKLIN
Address	229 CUMARON LAKE ELYND 55042
Signature	<i>[Signature]</i>
PCA Certification #	695
Phone #	651-337-1300
Date	4-23-2007

SOILS ALSO VERIFIED IN 1991

SITE EVALUATION

COUNTY USE ONLY

CHECK ALL THAT APPLY:

EVALUATOR:

LECLAIR

PROPERTY ADDRESS:

1030 NOBELL AVE N

DATE:

5 JUN 2007

TIME:

- NEW
- EXISTING
- DWELLING
- SHORELAND
- CLASS V
- COMMERCIAL ESTABLISHMENT
- FBL ESTABLISHMENT
- IN WELLHEAD PROTECTION AREA

GEOCODE:

SOIL REVIEW

SOIL CLASSIFICATION:

PARENT MATERIAL:

SOIL BORING 1

SOIL BORING 2

ELEVATION OF BORING:

LOCATION: B7 P1

ELEVATION OF BORING:

LOCATION:

GPS COORDINATES: LAT:

LON:

GPS COORDINATES: LAT:

LON:

<input checked="" type="checkbox"/> BORING					<input type="checkbox"/> PIT					<input type="checkbox"/> PROBE				
SOIL HORIZON DEPTH (IN)	TEXTURE	COLOR	STRUCTURE	REDOXIMORPHIC FEATURES	SOIL HORIZON DEPTH (IN)	TEXTURE	COLOR	STRUCTURE	REDOXIMORPHIC FEATURES	SOIL HORIZON DEPTH (IN)	TEXTURE	COLOR	STRUCTURE	REDOXIMORPHIC FEATURES
0"-9"	SANDY LOAM	10YR 3/3	SBL											
9"-26"	LOAMY SAND	10YR 4/4	GR			SAME			REGOLITH					
26"-40"	SAND	10YR 7/4	SG	JORDAN SANDSTONE REGOLITH					CONFIRMED					
40"-42"	LOAMY SAND	10YR 4/4	GR						WITH PIT					
42"-	OBSTRUCTION					42"-72"	LOAMY SAND	10YR 4/4	GR					
NO REDOX														

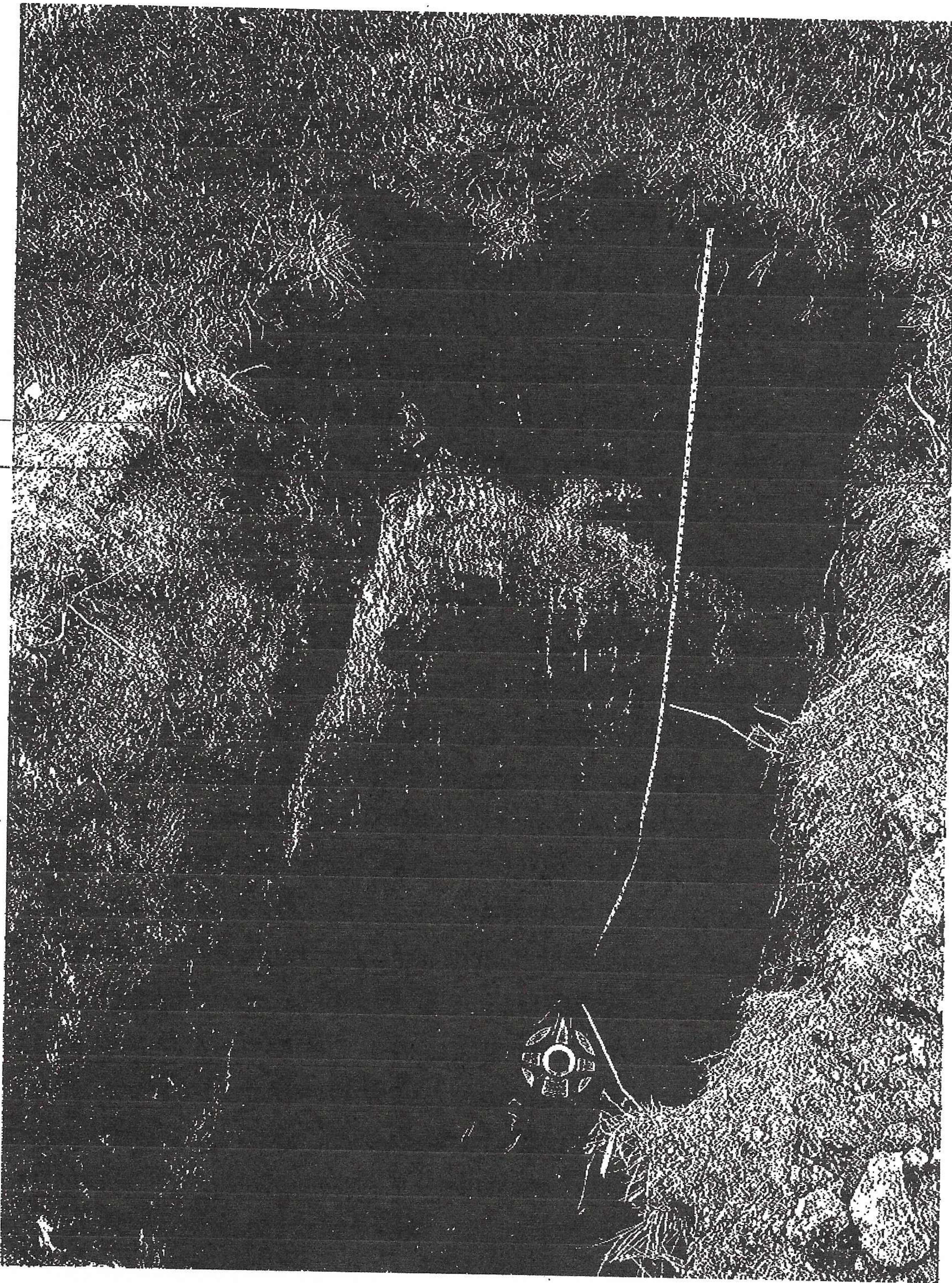
SOIL REVIEW CONCLUSIONS

<input checked="" type="checkbox"/> SITE SUITABLE <input type="checkbox"/> UNSUITABLE SOIL <input type="checkbox"/> DISTURBED SOIL <input type="checkbox"/> COMPACTED SOIL	DEPTH INFORMATION:		SOIL TEXTURE:
	STANDING WATER: NO	SATURATED SOIL: NO	SOIL SIZING FACTOR:
	BEDROCK: YES - SANDSTONE REGOLITH	MAXIMUM DEPTH OF SYSTEM: 30"	LINEAR LOADING RATE:

SITE REVIEW

CHECK ALL THAT APPLY <input type="checkbox"/> WETLAND OR WETLAND VEGETATION <input type="checkbox"/> POND, LAKE, STREAM, RIVER <input type="checkbox"/> FLOODPLAIN <input type="checkbox"/> 10 YEAR FLOOD ELEVATION <input type="checkbox"/> BLUFFLINE <input type="checkbox"/> WELL WELL CASING DEPTH: _____	EASEMENTS ON LOT: <input type="checkbox"/> UTILITY <input type="checkbox"/> DRAINAGE <input type="checkbox"/> OTHER	SETBACKS
		BLUFFLINE RIVER POND, LAKE, STREAM, WETLAND WELL

COMMENTS/NOTES: SOIL PIT REQUIRED



Description:

6 JUN 2007 10:00 A.M.

Soil Pit south of proposed pressure bed. 44° 57'50.87"N 92° 49'53.48"W

- 0-9" Sandy Loam 10YR 3/3 No redox
- 9-34" Loamy Sand 10YR 4/4 No redox
- 34-41" Sand 10YR 7/4 (Jordan Sandstone)
- 41-72" Loamy Sand 10YR 4/4 No redox

#2



Department of Public Health and Environment
 14949 62nd Street North PO Box 6
 Stillwater MN 55082-0006
 Office: 651-430-6655 TTY: 651-430-6246 Fax: 651-430-6730

Review Fee:	\$245.00
Permit Fee:	\$255.00
Total Fee:	\$500.00
Previous Payments	\$0.00
Balance Due	\$500.00

Community: West Lakeland Township
 Permit Number: 0017-07-5
 Owner: Gary Thill
 1030 Norell AVE N
 Stillwater MN 55082-
 Applicant: Gary Thill

PERMISSION IS HEREBY GRANTED

To execute the work specified in this permit on the following identified property upon express condition that said persons and their agents, and employees shall conform in all respects to the provisions of Ordinance #128, Washington County Development Code, Chapter Four Individual Sewage Treatment System Regulations. This permit may be revoked at any time upon violation of any of the provisions of said ordinance.

Project Address: 1030 Norell AVE N
 Geo Code: 29-029-20-43-0002
 Designer: Eklin Soil Testing & Inspections, Inc.

Type of System: Standard Pressure Bed		Pressure Distribution	
Design Criteria		Bed Sizing	
Percolation Rate:	5	Square Feet:	900
Depth To Restriction:	72	Rock Bed Width:	10 Feet
Land Slope:	5.00%	Rock Bed Length:	90 Feet
Flow Rate:	450	Depth of Rock:	10 Inches
Number of Bedrooms:	0	Bed Depth Maximum:	36 Inches
		Bed Depth Minimum:	24 Inches
Tank Sizes			
Tank 1: 1000	Tank 2: 1000	Tank 3: 0	Lift Station: 1000
		Number Of Laterals:	2
		Perforation Spacing:	3 Feet
		Perforation Diameter:	7/32 Inch
		Head Size:	1.0 Inch
		Total Head:	0
		Connection:	Center
		Length of Laterals:	88 Feet
		Perforations / Lateral:	30
		Total Perforations:	60
		Gallons Per Minute:	33.6
		Lateral Diameter:	1.5 Inches

Authorized Work/Special Conditions

#2

Christopher W. LeClair, REHS
 Senior Environmental Specialist

Permit Issue Date: 6/6/2007
 Permit Expiration Date: 6/5/2008

SS Septic Solutions, LLC additional terms and information.

1. SS Septic Solutions, LLC has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period beyond the inspection date. Due to numerous factors (usage, maintenance, tank pumping, soil characteristics, previous failures, etc.) which may affect the proper operation of a septic system. The report shall not be construed as a warranty that the system will properly function for any period.
2. Minimum compliance inspection requirements relative to this inspection and this report include only verification that the septic system has a watertight septic tank(s) and lift tank, the required separation from the bottom of the drain field/mound distribution medium and saturated soils, no backup of sewage into the dwelling and no discharge of sewage onto the ground surface or surface water. SS Septic Solutions, LLC does not inspect basement sewage ejector pumps or exterior lift pumps as they are a maintenance item. Sewage backup verification is limited to the information supplied by the last occupants/owner if available. I cannot guarantee that the information given to me is accurate. Some people may attempt to hide or conceal signs of previous backups.
3. Certification of this system does not warranty any future use beyond the date of inspection. Any system, new or old, can be hydraulically overloaded because of more people moving into the house than were previously occupying it, improper maintenance, heavy usage, tree roots, freezing conditions, or surface drainage problems. The system could simply stop working due to age.
4. A compliance inspection is not meant to be a test of the longevity of the septic system. The inspection is strictly for the purpose of determining if the septic is polluting the environment at the date and time the inspection is performed. The inspection is not intended to determine if the 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 in winter weather conditions are more difficult to perform due to snow cover and frost. Septic system components like tanks, tank covers, drop boxes and soil treatment areas are more difficult to locate in these conditions. Soil borings and drain field locations are also more difficult to perform due to ground frost. The client needs to understand that due to the weather conditions, the same level of standards may not be possible compared to an inspection during the spring/summer/fall months.
6. If hired to perform the compliance inspection, the client hereby agrees that SS Septic Solutions, LLC will not be responsible for any monetary damages, claims or causes of action including attorney fees arising from the performance of this inspection.
7. Nothing other than gray water (laundry, showers, etc.) human waste and toilet tissue should be disposed of into the septic tanks. Garbage disposals are not recommended. Smaller amounts of laundry, soaps, dish soap, cleaning agents, etc. are better for the system. Antibacterial soaps and chlorine agents may kill the bacteria needed to treat effluent properly. Additives are not recommended and may be harmful to your system. Recommend to pump and clean your tanks by a certified pumper every other year if you have 1 tank and every 2-3 years if you have a 2-tank system to ensure proper maintenance.