

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.	For local tracking purposes:
Submit completed form to Local Unit of Government (LUG) and system ow within 15 days	rner
System Status	
System status on date (mm/dd/yyyy): 4/4/2018	
The state of the s	ompliant – Notice of Noncompliance ograde Requirements on page 3.)
Reason(s) for noncompliance (check all applicable) Impact on Public Health (Compliance Component #1) – Imminent the Other Compliance Conditions (Compliance Component #3) – Immine Tank Integrity (Compliance Component #2) – Failing to protect ground Other Compliance Conditions (Compliance Component #3) – Failing Soil Separation (Compliance Component #4) – Failing to protect ground Operating permit/monitoring plan requirements (Compliance Component #4)	nent threat to public health and safety undwater g to protect groundwater oundwater
Property Information Parcel ID# or Sec/Tw	m/Range.
2	eason for inspection: Sale
	vner's phone: 651-755-3470
or	
Owner's representative:	epresentative phone:
Local regulatory authority:Washington County Re	egulatory authority phone: 651-430-6655
Brief system description: 1500 gallon septic tank, gravity rock trench drainfiel	ld
Comments or recommendations:	
Inspection performed in winter conditions.	
Certification	
I hereby certify that all the necessary information has been gathered to determined determination of future system performance has been nor can be made due to upossible abuse of the system, inadequate maintenance, or future water usage.	
Inspector name: Benjamin Zierke Ce	ertification number: C9594
Business name: Zierke Soil Testing	License number: L119
Inspector signature:	Phone number: 651-249-1346
Necessary or Locally Required Attachments	
Soil boring logs	ms per local ordinance
Other information (list): Pumping Report	

1.	. Impact on Public Health - Compliance component #1 of 5						
	Compliance criter	ia:	-	Verification method(s):			
	System discharges s ground surface.	ewage to the	☐ Yes ☐ No	 ⊠ Searched for surface outlet ⊠ Searched for seeping in yard/backup in home 			
-	System discharges s tile or surface waters		☐ Yes ☐ No	 ☐ Excessive ponding in soil system/D-boxes ☐ Homeowner testimony (See Comments/Explanation) 			
	System causes sewa dwelling or establish		☐ Yes ☐ No	☐ "Black soil" above soil dispersal system ☐ System requires "emergency" pumping			
	Any "yes" answ system is an im health and safet	minent threat		☐ Performed dye test ☐ Unable to verify (See Comments/Explanation) ☐ Other methods not listed (See Comments/Explanation)			
	Comments/Explana Sandra did not repor		ne system.				
2	Table Interests	Camadianaa					
2.			component #2 of 5	Varification mathed(a)			
	System consists of a		☐ Yes ⊠ No	Verification method(s): Probed tank(s) bottom			
	cesspool, drywell, or		☐ res ☐ No	Examined construction records			
	Seepage pits meeting 7 compliant if allowed in I			Examined Tank Integrity Form (Attach)			
	Sewage tank(s) leak	to our way to	☐ Yes ☒ No	Observed liquid level below operating depth			
	designed operating of	lepth.		☐ Examined empty (pumped) tanks(s)☐ Probed outside tank(s) for "black soil"			
ļ	If yes, which sewage			Unable to verify (See Comments/Explanation)			
	Any "yes" answ system is failing			Other methods not listed (See Comments/Explanation)			
	Comments/Explana						
	Smilles pumped 6/6/	2017 with no issue	es noted. See attached.				
3.	Other Complian	nce Condition	s – Compliance comp	onent #3 of 5			
	a. Maintenance hol	e covers are dama	ged, cracked, unsecured,	or appear to be structurally unsound. $\hfill \square$ Yes* $\hfill \square$ No $\hfill \square$ Unknown			
			to immediately and advers	sely impact public health or safety.			
	Explain:						
	11 HERRY STATE OF STA	rotective of ground	as determined by inspector . Yes* No				

4. Soil Separation — Compliance co	mponent #4 of 5			
Date of installation: 3/16/1990 (mm/dd/yyyy)	Unknown	Verification method(s):		
Shoreland/Wellhead protection/Food beverage lodging?	☐ Yes ⊠ No	Soil observation does not expire. Previous soil observations by two independent parties are sufficient, unless site conditions have been altered or local requirements differ.		
Compliance criteria:				
For systems built prior to April 1, 1996, and	☐ Yes ☒ No	□ Conducted soil observation(s) (Attach boring logs)		
not located in Shoreland or Wellhead Protection Area or not serving a food,		Two previous verifications (Attach boring logs)		
beverage or lodging establishment:		Not applicable (Holding tank(s), no	L.E.	
Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.		☐ Unable to verify (See Comments/E☐ Other (See Comments/Explanation)		
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	Comments/Explanation:		
Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*				
"Experimental", "Other", or "Performance"	☐ Yes ☐ No	Indicate depths or elevations		
systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules (7080. 2350 or 7080.2400 (Advanced Inspector		A. Bottom of distribution media	97.8'	
License required)		B. Periodically saturated soil/bedrock	98.3'	
Drainfield meets the designed vertical		C. System separation	-0.5'	
separation distance from periodically saturated soil or bedrock.		D. Required compliance separation*	2.0'	
Any "no" answer above indicates to failing to protect groundwater. 5. Operating Permit and Nitrogen		*May be reduced up to 15 percent if Ordinance.	allowed by Local	
Is the system operated under an Operating		No If "yes", A below is require		
Is the system required to employ a Nitroger			red	
BMP = Best Management Practice(s) :	specified in the system o	lesign		
If the answer to both questions is "r	o", this section doe	s not need to be completed.		
Compliance criteria	CONTRACTOR OF THE STATE OF THE			
Operating Permit number:		☐ Yes ☐ No		
Have the Operating Permit requirement	ents been met?	☐ 1 €2 ☐ 140		
b. Is the required nitrogen BMP in place	and properly functioning	g? Yes No		
Any "no" answer indicates Nonc	ompliance.			
Upgrade Requirements (Minn. Stat. § 115.55) An imminent threat to pub	olic health and safety (ITPHS) must be upg	graded, replaced, or its use	

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.



Logs of Soil Borings

Location of Project:

19690 Parkview Ln Scandia, MN 55073

Borings Made by Ben Zierke

Date:

4/3/2018

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

Depth, in Inches 0	Boring Number 1	Depth, in Inches	Boring Number 2
0-12"	7.5YR 3/3 loam	0-12"	7.5YR 3/3 loam
12-22"	7.5YR 4/4 silt loam, weak platy structure, moderately saturated,	12-24"	7.5YR 4/4 sandy loam
	faint 5YR 5/3 redox present at 20"	24-44"	7.5YR 4/4 loamy fine sand with thin dark bands below 36"
22-28"	5YR 4/4 massive loamy till	44-48"	5YR 4/4 sandy loam, slightly cemented, redox present at 44"
End of boring at	2.3 feet	End of boring at	4 feet
Standing water tab Present at Standing water not p Mottled Soil: Observed at Mottled soil not pre- Comments:	feet of depth present in hole 1.7 feet of depth Hours after boring X	Standing water talk Present at Standing water not p Mottled Soil: Observed at Mottled soil not pre Comments:	feet of depth Hours after boring 3.7 feet of depth 3.7 feet of depth
Depth, in Inches	Boring Number 3	Depth, in	Boring Number 4
0		0	
End of boring at Standing water tal Present at Standing water not	feet of depth Hours after boring	End of boring at Standing water tal Present at Standing water not	feet of depth Hours after boring
Standing water not Mottled Soil: Observed at Mottled soil not pre	feet of depth	Standing water not Mottled Soil: Observed at Mottled soil not pre	feet of depth
Mottied soil not pre	sent in ooie noie	1410ttied boll not pre	Sent in bote note

Lot 4 Block 2 N89°56'30' "MERRIHILLS" (New Scandia Twnshp) 615.00 Pines

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PERCOLATION TEST DATA SHEET

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COUNTY BUILDING CARCIAL

PERCOLATION TEST DATA SHEET

t hole	hole was pres	12 CF (10 (16)	9 Depth o	Hole number P-1	inches.
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8.0	from test ho				
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lours		TIMOM TORTE			•
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30 330 330 330 330 330 330	Time Interval, Minutes	Inchese inches	Drop in water level, inches		

-SOIL BORINGS-

Lot 4 Block 2

"MERRIHILLS"

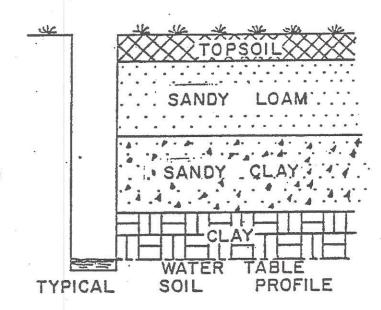
Pt. of $E^{\frac{1}{2}}$ of Sec. 25, T32N R20W (New Scandia Twnshp)

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

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

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

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

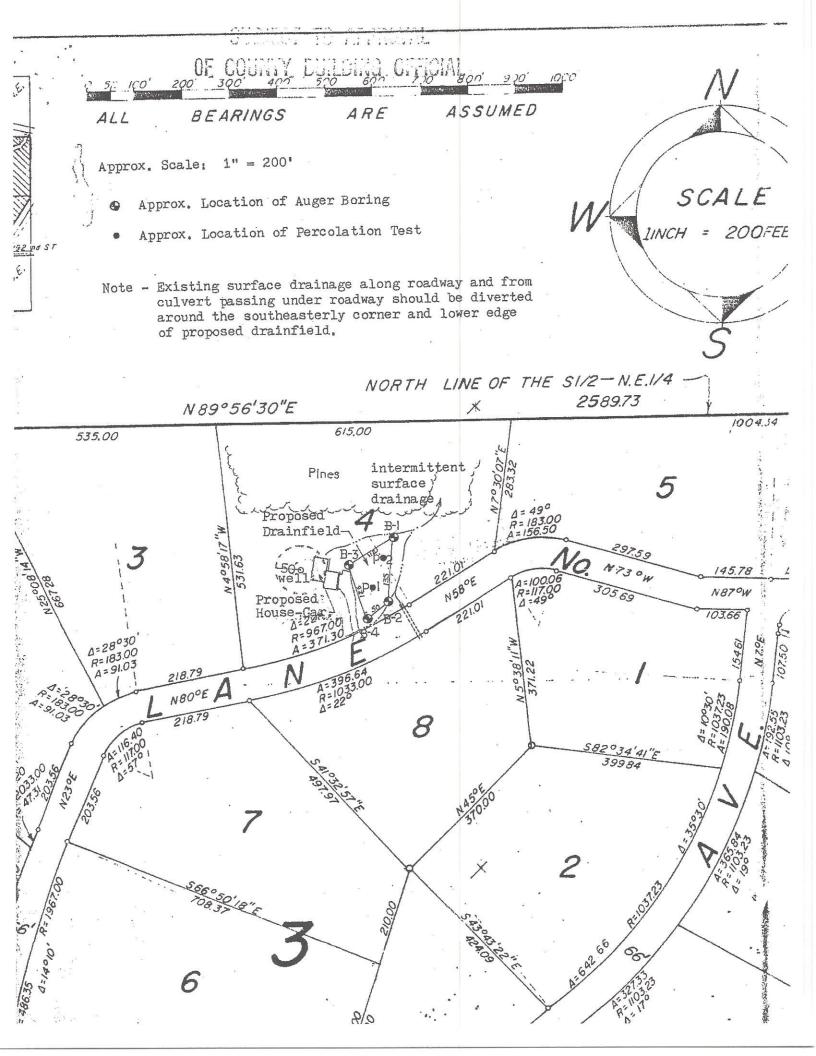


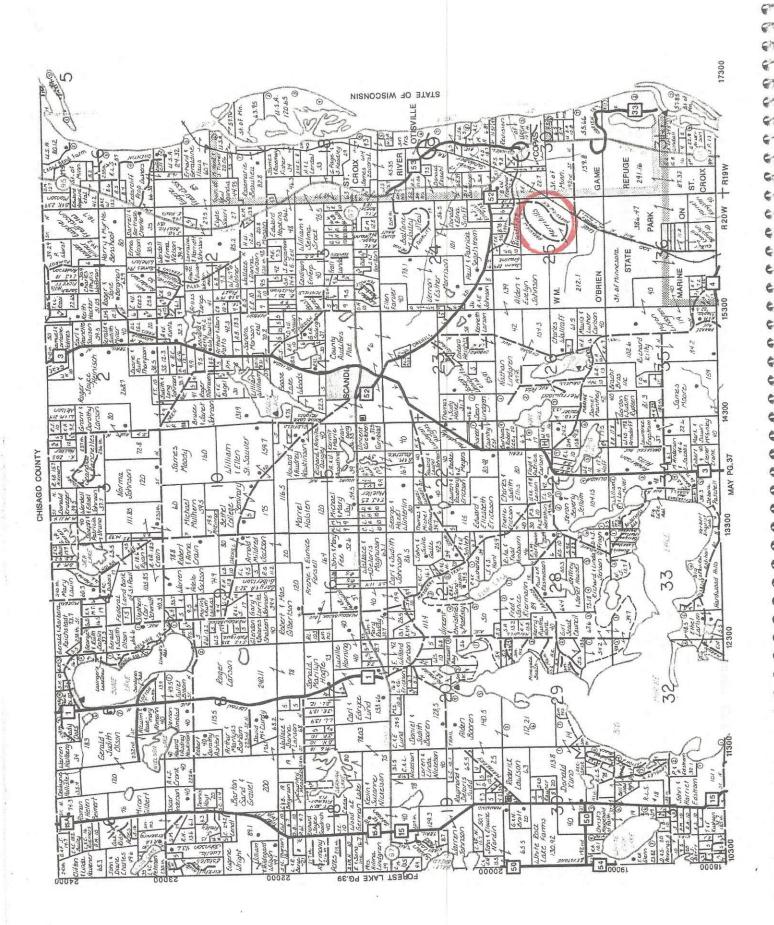
Auger Borings: R&J Johnson

11/21/89

LOG OF SOIL BORINGS

			-·				
BOR	NG NO. I	BOR	NG NO. 2	BORI	NG NO. 3	BORII	VG NO. 4
DEPTH IN FEET	SOIL DESCRIPTION Very Dark	DEPTH IN FEET	SOIL DESCRIPTION Very Dark	DEPTH IN FEET	SOIL DESCRIPTION Very Dark	DEPTH IN FEET	SOIL DESCRIPTION
0	Grayish Brown	0	Grayish Brown	0	Grayish Brown	0	Grayish Brown
1/2	VF Sandy Loam	1/2	Fn Sandy Loam	1/2	VF Sandy Loam	- 1/2	Loamy Sand
	Grayish Brown VF Sandy Loam	ı	Grayish Brown Fn Sandy Loam	1	Brown Silt Loam	1	Brown
11/2		11/2		11/2	Dark Brown	11/2	
2	Dark Brown	2	Brown	2		2	Gravelly
21/2		21/2		21/2	· Silt Loam	21/2	Loamy
3	Sandy Loam	3	Silt Loam	3	Reddish Brown	3	Sand
. 31/2	· ·	3 1/2	Reddish Brown	31/2		31/2	Reddish Brown
4	Reddish Brown	4	Sandy Loam-	4	Sandy Loam	4	
41/2	Sandy	41/2	Loamy Sand	41/2	Till	41/2	Sandy
. 5	Loam	5	(End)	5	(End)	5	Loam
51/2	Till,	5 1/2	Mottling	51/2	. 4	51/2	Till
6	(End)	6	Depth: 60"	6		6	(End)
61/2	•	61/2		61/2		61/2	
7	9	7		7		7	(40)
71/2	·	71/2		71/2	g s .	71/2	
8		8		8		8	
81/2		81/2		81/2		81/2	
9		9		9		9	





SUBJECT TO APPROVAL'S REFERED NOV 3 0 1989

OF COUNTY BUILDING OFFICIAL

APPLICATION FOR PERMIT TO INSTALL SEWAGE TREATMENT SYSTEM

Application Fe	e - \$75.00 A	(S11)
	- \$75.00	
Additional Rev	iews - \$25.00/h	r. (1 hr. min.)

Washington County Planning Dept. 14900 - 61st Street North Stillwater, NN 55082

1 2	Legal Description and Parcel Iden Lot 4 Block 2 "MER		of Sec	. 25. T32N R2	OW (New So	candia Twnshp)
2		WINITIDD, IC. OF MS.	1 560		•	
	Applicant	Mailing Address		City	Zip	Phone
	Timothy Jay McKie	2576 8th Street	W	hite Bear Lak	se 551.10	429-8613
3	Owner (if different from Applican	t) Mailing Address		City	Zip	Phone
4	Use of Building: Single Famil Check the following fixtures whic Garbage Disposal No					1
5	Type of Work:New	Alteration		Repair	X	Approval Only
6	Has site previously been reviewed (If previously approved, attach l	by Washington County? etter of approval)	No	Appr	oved	es Denied
	drainfield areas must be staked.					
by con acc thi	eement: The undersigned hereby make cified, agreeing that all such work thington, Minnesota. Applicant agree the Washington County Building Offinditions peculiar to a particular locass, at reasonable times, to the But no part of the system shall be conspecific location; any deviation from the permit to notify the state of the permit to notify the permit to notify the state of the permit to notify the state of t	shall be done in strict accordes that the Site Plan, Sketches icial or his agent, together with cation, shall become a part of wilding Official or his agent for overed until it has been inspected by the approved location will you office of the Building Official	astall or lance with any rethe per the	r Extend Sewage Tr th ordinances and sign submitted her equirement and/or mit. Applicant fu urpose of perform accepted. Applica permit. It shall	reatment Syste regulations of the restriction must be restriction must be restricted in the restriction is for a second to ready for its ready	m herein f the County of ich are reviewed ade necessary by to provide s required and in installation at sibility of the

NAME: Timothy Jay Ackie 5498 E. Bald Ea	agle Blvd., White Bear Lake, MN	5511.0
Pt.	4 Block 2 "MERRIHILLS" of E를 Sec. 25, T32N R20W (New Sca	andia) .
Type I, 4 Bedroom Home, No Carbage Disposal, 1 H	ot Tub	
WASTEWATER FLOW	Spacing of trenches 7½	_ ft oc
Estimated 750 gal/day, or		
Measured gal/day	A drop box	
Land Control of the C	pressurized laterals -	complete
	PRESSURE DISTRIBUTION SYSTEM	section below
SEPTIC TANK		
Values 1500 gal	BED	
LIFT STATION (Gravity as per owner's contractor)	Minimum depth of bed	_ inch
LIFT STATION (Gravity as per owner's contractor)	Maximum depth of bed	inch .
Volume gal	Bottom area for ped having 12	about Alunta
Pump:	of rock below the distribution	n pipe
delivery rate gal/min	sq ft Bed Width ft Bed Length ft	
total headft	Bed WidthIt	
discharge per pumping event gal	Bed LengthIt	
Inside diameter of pressure line from pump		
to treatment area inches	MOUND Bottom area for bed having 9 i	noh of rock
,	Bottom area for bed having 9 1	an ft.
SOIL	below the distribution pipe	ft
Depth to restricting layer 5'	Bed Width	
Percolation rate:	Bed Length Upslope sand base depth	ft ft
min/in at 12 inch depth	Upslope dike width	ft
43.6 min/in at 24 inch depth	Downslope sand base depth	ft
min/in at inch depth	Downslope dike width	ft
Land Slope 4-10 (E-NE)	DOWNESTOPS CLICK WALLS	September 1990 (September 1990) (September 1990)
DOATS HOLLER IS MOUNTCHES	PRESSURE DISTRIBUTION SYSTEM	
Minimum depth of trench 12 inch	Inside diameter of manifold p	ipe in
Maximum depth of trench 24 inch	Perforated lateral	
Bottom area for trenches having 12	inside diameter	in
inch of rock below the distribution pipe	TCITE CIT	ft
1.500 sq ft	number	in oc
Trench width 3 ft	Shorme	HI OC
Total trench length .500 ft	Perforation:	in
Number of trenches 5 perforated lines @ 100' installed	Class Coldinary Coloreda	in oc
· · · · · · · · · · · · · · · · · · ·	3 par 1445	
LAYOUT (Site Plan) on the contour 1. Use an appropriate scale and indicate direct	ion by use of a north arrow.	
		B no.
Clarate descriptions		g or proposed.
4. Show location of house, garage, driveway and 4. Show location and layout of sewage treatment	system including tanks, trench	es, etc.
5. Show location of water supply well.		
5. Show rocadion of heads supply		
	Dat.	e 1/90
Specifications and layout have been designed by	113 0011113711	e 1.2/31./91
Minnesota Pollution Control Agency Certificatio	n No. 709 Exp. Dat	= 1.0/ J.174-

N89°56'30" Lot 4 Block 2 "MERRIHILLS" (New Scandia Twnshp) 615.00 P. banzel 3-16-90 Pines Proposed