



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.

For local tracking purposes:

Submit completed form to Local Unit of Government (LUG) and system owner within 15 days

System Status

System status on date (mm/dd/yyyy): 4/2/2019

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

[] Noncompliant - Notice of Noncompliance
(See Upgrade Requirements on page 3.)

Reason(s) for noncompliance (check all applicable)

- [] Impact on Public Health (Compliance Component #1) - Imminent threat to public health and safety
[] Other Compliance Conditions (Compliance Component #3) - Imminent threat to public health and safety
[] Tank Integrity (Compliance Component #2) - Failing to protect groundwater
[] Other Compliance Conditions (Compliance Component #3) - Failing to protect groundwater
[] Soil Separation (Compliance Component #4) - Failing to protect groundwater
[] Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant

Property Information

Parcel ID# or Sec/Twp/Range: 1002921210013

Property address: 9387 Jane Circle N Lake Elmo, MN Reason for inspection: Property Transfer

Property owner: Monique Kolb Owner's phone:

Owner's representative: Representative phone:

Local regulatory authority: Washington County Regulatory authority phone: 651-430-6655

Brief system description:

Comments or recommendations:

2 septic tanks to gravity drainfield. As of 4/2/19 this entire system is compliant.

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: Dave Brown Certification number: C9370

Business name: David R Brown License number: L3649

Inspector signature: [Signature] Phone number: 651-788-3296

Necessary or Locally Required Attachments

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

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:
Never been an issue.

Verification method(s):

- Searched for surface outlet
- Searched for seeping in yard/backup in home
- Excessive ponding in soil system/D-boxes
- Homeowner testimony (See Comments/Explanation)
- "Black soil" above soil dispersal system
- System requires "emergency" pumping
- Performed dye test
- Unable to verify (See Comments/Explanation)
- Other methods not listed (See Comments/Explanation)

2. Tank Integrity – Compliance component #2 of 5

Compliance criteria:

System consists of a seepage pit, cesspool, drywell, or leaching pit. <i>Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth. If yes, which sewage tank(s) leaks:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Any "yes" answer above indicates the system is failing to protect groundwater.

Comments/Explanation:

Verification method(s):

- Probed tank(s) bottom
- Examined construction records
- Examined Tank Integrity Form (Attach)
- Observed liquid level below operating depth
- Examined empty (pumped) tanks(s)
- Probed outside tank(s) for "black soil"
- Unable to verify (See Comments/Explanation)
- Other methods not listed (See Comments/Explanation)

3. Other Compliance Conditions – Compliance component #3 of 5

- a. Maintenance hole covers are damaged, cracked, unsecured, or appear to be structurally unsound. Yes* No Unknown
- b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety. Yes* No Unknown
***System is an imminent threat to public health and safety.**

Explain:

- c. System is non-protective of ground water for other conditions as determined by inspector. Yes* No
***System is failing to protect groundwater.**

Explain:

4. Soil Separation – Compliance component #4 of 5

Date of installation: _____ Unknown
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? Yes No

Compliance criteria:

For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead Protection Area or not serving a food, beverage or lodging establishment: Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Non-performance systems built April 1, 1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment: Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
"Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules (7080, 2350 or 7080,2400 (Advanced Inspector License required) Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.	<input type="checkbox"/> Yes <input type="checkbox"/> No

Verification method(s):

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

Conducted soil observation(s) (Attach boring logs)
 Two previous verifications (Attach boring logs)
 Not applicable (Holding tank(s), no drainfield)
 Unable to verify (See Comments/Explanation)
 Other (See Comments/Explanation)

Comments/Explanation:

Indicate depths or elevations

A. Bottom of distribution media	24"-36"
B. Periodically saturated soil/bedrock	>72"
C. System separation	>36"
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.

Proposed System Design based on P.C.A. Rules
Individual Sewage Treatment System Standards

Number Of Bedrooms: 4

Tank Size(s): 1500 New + 1500 Existing

Number Of Lines: 4 Length Of Lines: Add 1 line 50'

Spacing Of Lines: 6 to 7 feet

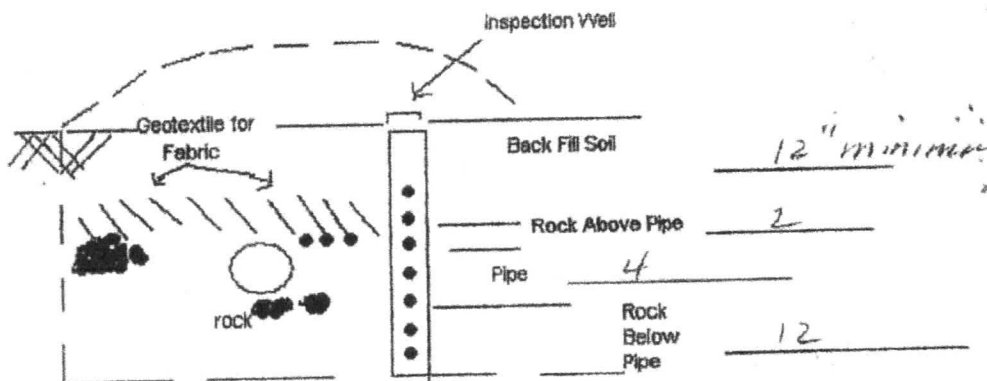
Depth Of Trenches: 24-36" Width of Trenches: 36"

Depth Of Rock Below Tile: 12" Depth Of Rock Above Tile: 2

Depth Of Earth Cover Over Rock: 12" minimum

Special Conditions: Add (1) 1500 gallon tank and 50' of trench with 12" of rock below pipe or chambers using drop box

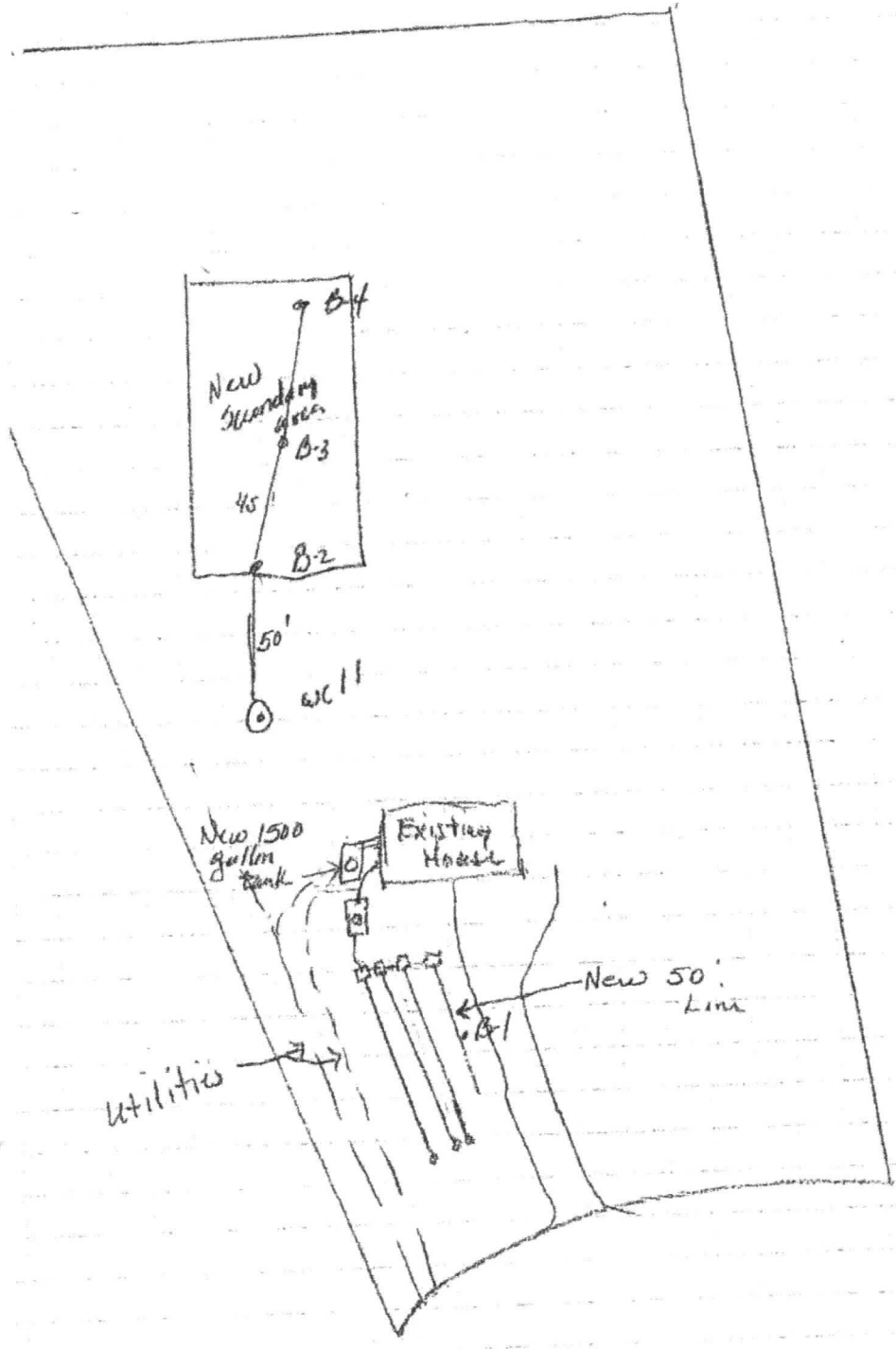
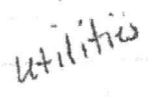
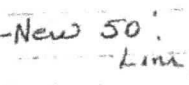
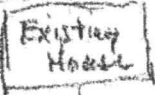
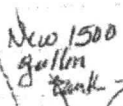
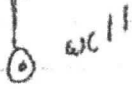
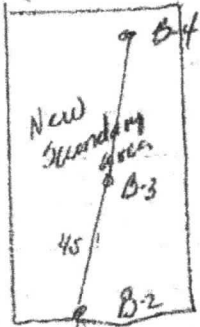
Type Of Distribution Box: Drop Box

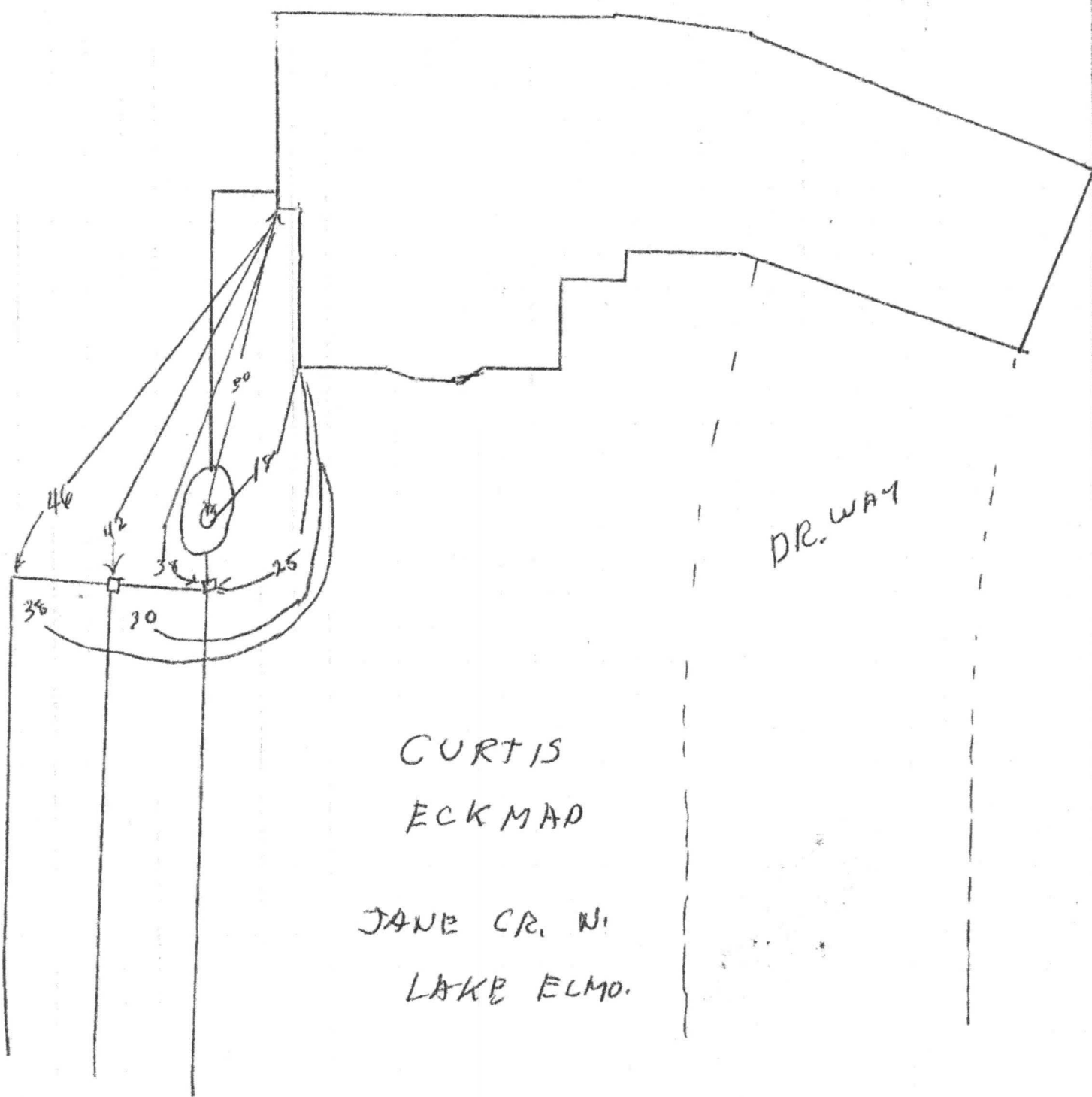


9387 Jane Circle No. Lake Elmo

03-0406

N ↑
1"=50'





CURTIS
ECKMAD

JANE CR. W.
LAKE ELMO.

DR. WAY

LOG OF SOIL BORINGS

Job: 9387 Jane Circle No. Lake Elmo

Date: 02-28-06

Depth In Feet	B1	B2	B3	B4
1	Dark brown Loam Topsoil 8	Dark brown loam Topsoil 6	Black loam Topsoil 8	Dark brown Silt loam Topsoil 12
2	Red brown silt Loam 5yr 4/3	Red brown silt loam 5yr 5/3	Red brown silt loam - much rock 5yr 4/3	Red brown SANDY loam 5yr 4/3
3	34	Red brown MEDIUM SAND - some gravel 5yr 5/3	30	30
4	Red brown SANDY loam gravel 5yr 4/3 50	Red brown MEDIUM SAND - some gravel 5yr 5/3	Red brown SANDY loam 5yr 5/3	Red brown MEDIUM SAND & gravel 5yr 5/3
5	Red brown MEDIUM SAND 5yr 5/3	60	60	60
6	72			
7				

LOG OF SOIL BORINGS

BORING NO. 1		BORING NO. 2		BORING NO. 3		BORING NO. 4	
DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION	DEPTH IN FEET	SOIL DESCRIPTION
0	DARK BROWN FINE SILTY LOAM	0	DARK BROWN FINE SILTY LOAM	0	DARK BROWN FINE SILTY LOAM	0	DARK BROWN FINE SILTY LOAM
7"	BROWN FINE SILTY LOAM	6"	BROWN FINE SILTY LOAM	8"	BROWN FINE SILTY LOAM	9"	BROWN FINE SILTY LOAM
9"	BROWN - FINE - MED. LOAMY SAND & ROCKS	10"	BROWN FINE - MED. LOAMY SAND & ROCKS	11"	REDDISH - BROWN FINE SILTY LOAM	19"	LT. MED. BROWN FINE - MED. LOAMY SAND & ROCKS
				14"	BROWN FINE - MED. LOAMY SAND & ROCKS	29"	BROWN - FINE - MED. SAND & ROCKS
				6:0"	LT. TAN FINE - MED. SAND & ROCKS	6:0"	LT. TAN FINE - MED. SAND & ROCKS
8:0"		8:0"		8:0"		8:0"	

END BORING 1

END BORING 2

END BORING 3

END BORING 4

RECEIVED

JAN 11 1998



Minnesota Pollution Control Agency (MPCA)
Recommended Inspection Form
for Existing Septic Systems

Suggested (7/97)

CITY OF LAKE ELMO

DATE OF INSPECTION: 12/18/97 TIME: A.M WEATHER CONDITIONS: Partly cloudy 45° ISTS PERMIT NUMBER:

REASON FOR INSPECTION

- () Bedroom addition
() Variance
() Complaint
[X] Property Transfer (buyer or seller)
() Other
Area with local ordinance (X) N

IDENTIFICATION

Property Owner(s) Curt Eckman Telephone (612) 735-1350
Site Address 9387 Jane Circle No. City Lake Elmo
Zip Code 55082 Unit of Government Lake Elmo
Fire No. Township Name
Is system opened up? Y [X] Full Partial Contractor/Installer name:
Township Range Section Quarters

SYSTEM

Has tank(s) ever been pumped? [X] N Year System Built: 1989
If Yes, how often? 1 time (1993) For what reason: [X] routinely [] basement backup [] sluggish plumbing [] other
Any repair done on system? Y N What When By whom
Usage: [] other establishment [X] dwelling [] seasonal [] other No. Bedrooms No. of occupants
Water using appliances: [] Clothes washer [] Dishwasher [] Garbage disposal [] Whirlpool bath [] Water conditioning unit [] Self-cleaning humidifier in furnace
Nearest Surface Water: = NA ft. from which type of surface water. [] river [] lake [] stream [] other

(Check appropriate sewer system component and indicate location on site sketch on back of form).

Tank(s): Tank(s) Material: Soil Treatment System: Other:
[X] Septic tank Fiberglass [X] rock trench alternative system (identify type)
Aerobic tank Plastic gravelless pipe trench experimental system (identify type)
Pump tank Metal chamber trench other (identify type)
Holding tank [X] Concrete seepage bed
Other Other mound at-grade

Tank(s) Size: 1500 gals Soil treatment area size(s): 5000 sq. ft. Depth of system bottom from grade: Unknown Well Setback: 70'

Local standards may be more or less restrictive than this form. These standards must be made available by the Local unit of Government (LUGs)

System Built Prior to April 1, 1996

- Is there or has there ever been any evidence of: Upgrade
1. Discharge of sewage to the ground surface? YES [X] NO 10 mos.
2. Discharge of sewage to drain tile or surface waters? YES [X] NO 10 mos.
3. Cesspool? YES [X] NO 10 mos.
4. Sewage backup into dwelling? YES [X] NO 10 mos.
5. Situation with the potential to immediately and adversely impact or threaten public health or safety? YES [X] NO 10 mos.
6. Less than TWO feet of vertical separation between system bottom and saturated soil or bedrock? YES [X] NO LUG*
7. A seepage pit, drywell, or leaching pit? YES [X] NO LUG*

System Built: - after April 1, 1996; in Shoreland; Food, Beverage or Lodging; or Wellhead Protection Area

- Is there or has there ever been any evidence of: Upgrade
1. Discharge of sewage to the ground surface? YES NO 10 mos.
2. Discharge of sewage to drain tile or surface waters? YES NO 10 mos.
3. Cesspool? YES NO 10 mos.
4. Sewage backup into dwelling? YES NO 10 mos.
5. Situation with the potential to immediately and adversely impact or threaten public health or safety? YES NO 10 mos.
6. A seepage pit, drywell, or leaching pit? YES NO LUG*
7. Less than THREE feet of vertical separation between system bottom and saturated soil or bedrock? YES NO LUG*

* LUG = Local Unit of Government must specify an upgrade period for a failing system.

Note: If YES was answered for any of the above question based on type of system, the system is failing.

STATUS OF THE SYSTEM

Based on the compliance inspection conducted above the system status is in compliance, therefore, this document is a Certificate of Compliance (Choose: Certificate of Compliance OR Notice of Noncompliance)

CERTIFICATION

I hereby certify as a state of Minnesota licensed Inspector, or Qualified Employee that my observations recorded are accurate as this date for the site stated above. I hereby certify that all inspection work was completed according to applicable requirements. No determination of future hydraulic performance can be made due to unknown conditions during system construction, future water usage over the life of the system, abuse of the system, and/or inadequate maintenance all of which will adversely affect the life of the system.

Inspector's name(print) Frank Bakke Phone No. (612) 405 8308
License and/or Registration Number 1718 Address 2300 Lexington Ave. S. #324 Mendota Heights
Signature Date 12/26/97



**STANDARD SYSTEM DESIGN
INDIVIDUAL SEWAGE TREATMENT SYSTEM**

PUBLIC HEALTH & ENVIRONMENT
14949 62nd Street North, PO Box 6, Stillwater MN 55082-0006
651/430-6688 OR 651-430-6655 FAX 651/430-6730

Owner's Name	Kolb, Christopher & Monique	Geo Code	10029212/10013
Job Site Address	9387 Jane Circle		
City or Township	Lake Elmo		
Use of Building	Single family home		
Number of Bedrooms	4		

Design Flow Rate	600	Perc Rate	1.27	Landslope	0-1	Percent	
Two Required Tanks Sizes	1500	Gallons	1500	Lift Station Tank Size	—	Gallons	
Type of System (standard, at grade, or rockless pipe add 20%)		Standard or chambered					
System Size	762	-Square Feet	254	-Lineal Feet	36"	-Trench Width	
Depth of rock below pipe	12"			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	4			Recommended Length of Trenches	Existing + 50 feet		
Trench Spacing Measured Center to Center	6 to 7						Feet
Any Other Special Conditions	Existing 608 square feet, add 150 square feet for 50 lineal feet.						

IF PRESSURE DISTRIBUTION IS USED, COMPLETE THE PRESSURE DISTRIBUTION SHEET ATTACHED.

This Design must be accompanied by a site plan that clearly shows the location of the area tested and approve by the following.

1. Use an appropriate scale and indicate direction by use of a north arrow.
2. Show ALL property boundaries, rights-of-way, easements, wetlands. If necessary, an enlarged detail of the house site may also be required.
3. Show location of house, garage, driveway and all other improvements existing or proposed.
4. Show location and layout of sewage treatment system.
5. Show location of water supply (well and/or community supply line).
6. Dimension all setbacks and separation distances.

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

Designer Name	Barry Brown	PCA Certification #	1772
Address	3041 Woodlane Dr Woodbury 55125	Phone #	651-735-7321
Signature	Barry J Brown	Date	03-04-06