

REPLACEMENT SYSTEM VARIANCE REQUEST

THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form shall be attached to an application for the proposed replacement system which does not comply with the Rules. The LPI shall review the Replacement System Variance Request and Application and may approve the Request if all of the following requirements can be met, and the variance(s) requested fall within the limits of LPI's authority.

1. The proposed design meets the definition of a Replacement System from the rules.
2. A system cannot be designed and installed in total compliance with the Rules.
3. The design flow is less than 500 GPD.
4. There will be no change in use of the structure.
5. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.

GENERAL INFORMATION

Town of AUGUSTA

Permit No. 3126 E

Date Permit Issued _____
MONTH/DAY/YEAR

Property Owner's Name: DEBBIE GIROUX

Tel. No. 626 3051

System's Location: 2 SPRING ROAD

STREET

AUGUSTA

TOWN

Maine 04330

ZIP

Property Owner's Address: 75 EASTERN AVE
(if different from above)

STREET

AUGUSTA

TOWN

ME

STATE

04330

ZIP

SPECIFIC INSTRUCTIONS TO THE:

LPI:

If any of the variances exceed your approval authority and/or do not meet all of the requirements listed under the Limitations Section above, they you are to send this Replacement System Variance Request, along with the Application, to the Department for review and approval consideration before issuing a Permit. (See reverse side for Comments Section and your signature.)

SITE EVALUATOR:

If after completing the Application, you find that a variance for the proposed replacement system is needed, then complete the Replacement Variance Request with your signature on reverse side of form.

PROPERTY OWNER:

It has been determined by the Site Evaluator that a variance to the Rules is required for the proposed replacement system. This variance request is due to physical limitations of the site and/or soil conditions. Both the Site Evaluator and the LPI have considered the site/soil restrictions and have concluded that a replacement system in total compliance with the Rules is not possible.

The OWNER shall sign this statement. Therefore, having read both this Replacement Variance Request and the attached Application, I understand that the proposed system is not in total compliance with the Rules and hereby release all those concerned with this Variance, provided they have performed their duties in a reasonable and proper manner.

X Debbie A Giroux
PROPERTY OWNER'S SIGNATURE

11-18-94
DATE

VARIANCE CATEGORY	VARIANCE REQUESTED	LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
SOILS					
Soil Profile 2D	Ground Water Table	to 6"		6" inches	
Soil Condition	Restrictive Layer	to 5"		inches	
from HHE-200	Bedrock	to 10"		inches	
SETBACK DISTANCES (IN FEET)	FROM:	TREATMENT TANK	DISPOSAL AREA	TREATMENT TANK	DISPOSAL AREA
Potable Water Supplies	1. Well: > 2000 gal/day	100 ^a	300 ^a		
	2. Well: < 2000 gal/day				
	a. Neighbor's	50 ^b	60 ^b		
	b. Property Owner's	25'	50'		
	3. Water Supply Line	See note 'a'			
Waterbodies	1. Perennial	50'	60'		
	2. Intermittent	15'	20'		
	3. Manmade drainage ditch	10'	15'		
Downhill Slope	Greater than 3:1 (33%)	5 ^c	10 ^c		
Buildings	1. With Basement	5'	10'	5'	14'
	2. Without Basement (PORCH)	5'	10'	5'	6'
Property Line		4'	5'		8'

OTHER

1. Fill extension Grade—to 3:1 **ON ALL SIDES**

2.

3.

Footnotes:

- a. This setback distance cannot be reduced by variance. See Table 6-2.
- b. Written Permission from the owner of a well is required when a replacement system will be located less than 100 feet but closer to that well than the system it is replacing.
- c. Sufficient distance shall be maintained to assure that the top of the fill does not extend to the 3:1 slope.

David Studer
SITE EVALUATOR'S SIGNATURE

11-4-94
DATE

LPI STATEMENT

I, George A. Scurry Jr., LPI for the Town of Augusta have conducted an on-site inspection for the proposed replacement system and have determined to the best of my knowledge, that it cannot be installed in total compliance with the Rules, applicable Municipal Wastewater Disposal Ordinances, or the Local Shoreland Zoning Ordinance. As a result of my review of the Replacement System Variance Request, the Application, and my on-site investigation, I (check and complete either a or b):

a. (approve, disapprove) the variance request based on my authority to grant this variance. Note: If the LPI does not give his approval, I shall list his reasons for denial in Comments Section below and return to the applicant.

—OR—

b. find that one or more of the requested Variances exceeds my approval authority as LPI. I (recommend do not recommend) the Department's approval of the variances. Note: If the LPI does not recommend the Department's approval, he shall state his reasons in Comments Section below as to why the proposed replacement system is not being recommended.

Comments: _____

George A. Scurry Jr.
LPI'S SIGNATURE

11/24/94
DATE

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and (does does not) give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

SIGNATURE OF THE DEPARTMENT

DATE

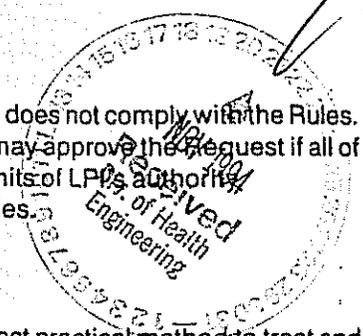
Travis

REPLACEMENT SYSTEM VARIANCE REQUEST

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5. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.



GENERAL INFORMATION

Town of AUGUSTA

Permit No. # 3126 E

Date Permit Issued 12-5-94
MONTH/DAY/YEAR

Property Owner's Name: DEBBIE GIROUX

Tel. No. 626 3051

System's Location: 2 SPRING ROAD

STREET

AUGUSTA

TOWN

Maine 04330

ZIP

Property Owner's Address: 75 EASTERN AVE

(if different from above)

STREET

AUGUSTA

TOWN

ME

STATE

04330

ZIP

SPECIFIC INSTRUCTIONS TO THE:

RECEIVED

NOV. 30 1994

LPI:

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SITE EVALUATOR:

If after completing the Application, you find that a variance for the proposed replacement system is needed, then complete the Replacement Variance Request with your signature on reverse side of form.

PROPERTY OWNER:

It has been determined by the Site Evaluator that a variance to the Rules is required for the proposed replacement system. This variance request is due to physical limitations of the site and/or soil conditions. Both the Site Evaluator and the LPI have considered the site/soil restrictions and have concluded that a replacement system in total compliance with the Rules is not possible.

The OWNER shall sign this statement. Therefore, having read both this Replacement Variance Request and the attached Application, I understand that the proposed system is not in total compliance with the Rules and hereby release all those concerned with this Variance, provided they have performed their duties in a reasonable and proper manner.

Debbie A. Giroux

PROPERTY OWNER'S SIGNATURE

11-18-94

DATE

VARIANCE CATEGORY	VARIANCE REQUESTED	LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
SOILS					
Soil Profile <i>2D</i>	Ground Water Table	to 6"		<i>6"</i>	inches
Soil Condition <i>2D</i>	Restrictive Layer	to 6"			inches
from HHE-200	Bedrock	to 10"			inches
SETBACK DISTANCES (IN FEET)	FROM:	TREATMENT TANK	DISPOSAL AREA	TREATMENT TANK	DISPOSAL AREA
Potable Water Supplies	1. Well: > 2000 gal/day	100'	300'		
	2. Well: < 2000 gal/day				
	a. Neighbor's	50'	60'		
	b. Property Owner's	25'	50'		
	3. Water Supply Line	See note 'a'			
Waterbodies	1. Perennial	50'	60'		
	2. Intermittent	15'	20'		
	3. Manmade drainage ditch	10'	15'		
Downhill Slope	Greater than 3:1 (33%)	5'	10'		
Buildings	1. With Basement	5'	10'	<i>5'</i>	<i>14'</i>
	2. Without Basement (<i>FORCH</i>)	5'	10'	<i>5'</i>	<i>6'</i>
Property Line		4'	5'		<i>8'</i>

OTHER

1. Fill extension Grade—to 3:1 *ON ALL SIDES*

2.

3.

RECEIVED

DEC 30 1994

Footnotes:

- a. This setback distance cannot be reduced by variance. See Table 6-2.
- b. Written Permission from the owner of a well is required when a replacement system will be located less than 100 feet but closer to that well than the system it is replacing.
- c. Sufficient distance shall be maintained to assure that the toe of the fill does not extend to the 3:1 slope.

David Studer
SITE EVALUATOR'S SIGNATURE

11-4-94
DATE

LPI STATEMENT

I, *George A. Sweeney, Jr.*, LPI for the Town of *Augusta* have conducted an on-site inspection of the proposed replacement system and have determined to the best of my knowledge, that it cannot be installed in total compliance with the applicable Municipal Wastewater Disposal Ordinances, or the Local Shoreland Zoning Ordinance. As a result of my review of the Replacement System Variance Request, the Application, and my on-site investigation, I (check and complete either a or b):

a. (approve, disapprove) the variance request based on my authority to grant this variance. Note: If the LPI does not give his approval, he shall list his reasons for denial in Comments Section below and return to the applicant.

—OR—

b. find that none of the requested Variances exceeds my approval authority as LPI. I (recommend do not recommend) the Department's approval of the variances. Note: If the LPI does not recommend the Department's approval, he shall state his reasons in Comments Section below as to why the proposed replacement system is not being recommended.

Comments:

Janet Sweeney
LPI'S SIGNATURE

11/21/94
DATE

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and does does not give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

Kenneth Keller
SIGNATURE OF THE DEPARTMENT

11-28-94
DATE

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

PROPERTY ADDRESS

Town Or Plantation: AUGUSTA

Street / Division Lot #: 2nd SPRING ROAD

PROPERTY OWNERS NAME

Last: GIROUX First: DEBBIE

Applicant Name: DEBBIE GIROUX 626-3051

Mailing Address of Owner/Applicant (If Different): 75 EASTERN AVE
AUGUSTA ME 04330

AUGUSTA 3126 TOWN COPY

Date Permit Issued: 11-5-94 \$ 100.00 Double Fee Charged

Local Plumbing Inspector Signature: [Signature] L.P.I. # 1818

Owner/Applicant Statement

I certify that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Local Plumbing Inspector to deny a permit.

Signature of Owner/Applicant: [Signature] Date: _____

Caution: Inspection Required

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules.

Local Plumbing Inspector Signature: [Signature] Date Approved: 11/22/94

PERMIT INFORMATION

THIS APPLICATION IS FOR:

- NEW SYSTEM
- REPLACEMENT SYSTEM
- EXPANDED SYSTEM
- EXPERIMENTAL SYSTEM

THIS APPLICATION REQUIRES:

- NO RULE VARIANCE
- NEW SYSTEM VARIANCE
Attach New System Variance Form
- REPLACEMENT SYSTEM VARIANCE
Attach Replacement System Variance Form
 - Requiring Local Plumbing Inspector Approval
 - Requires State and Local Plumbing Inspector Approval
- MINIMUM LOT SIZE VARIANCE

INSTALLATION IS:

COMPLETE SYSTEM

- NON-ENGINEERED SYSTEM
- PRIMITIVE SYSTEM
(Includes Alternative Toilet)
- ENGINEERED (+2000 gpd)

SEASONAL CONVERSION

to be completed by the LPI

- SYSTEM COMPLIES WITH RULES
- CONNECTED TO SANITARY SEWER
- SYSTEM INSTALLED - P# _____
- SYSTEM DESIGN RECORDED AND ATTACHED

DISPOSAL SYSTEM TO SERVE:

- SINGLE FAMILY DWELLING
- MODULAR OR MOBILE HOME
- MULTIPLE FAMILY DWELLING
- OTHER _____ SPECIFY _____

INDIVIDUALLY INSTALLED COMPONENTS:

- TREATMENT TANK (ONLY)
- HOLDING TANK _____ GAL
- ALTERNATIVE TOILET (ONLY)
- NON-ENGINEERED DISPOSAL AREA (ONLY)
- ENGINEERED DISPOSAL AREA (ONLY)
- SEPARATED LAUNDRY SYSTEM

IF REPLACEMENT SYSTEM:

YEAR FAILING SYSTEM INSTALLED: BEFORE 1972

THE FAILING SYSTEM IS:

- BED
- CHAMBER
- TRENCH
- OTHER: UNKNOWN

SIZE OF PROPERTY: 8600 ± sq ft ZONING: RESIDENTIAL

TYPE OF WATER SUPPLY

TOWN WATER

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

- SEPTIC: Regular Low Profile
- AEROBIC

SIZE: 1000 GALS.

WATER CONSERVATION

- NONE
- LOW VOLUME TOILET
- SEPARATED LAUNDRY SYSTEM
- ALTERNATIVE TOILET

SPECIFY: _____

PUMPING

- NOT REQUIRED
- MAY BE REQUIRED
(DEPENDING ON TREATMENT TANK LOCATION AND ELEVATION)
- REQUIRED

DOSE: 40-70 GALS.

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)

DUPLEX - 2 BEDROOMS EACH

WATER USE = 4700 ft³ (7.4) = 390
90 plus 10% 39

DESIGN FLOW: 429 GPD
 (GALLONS/DAY)

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE: 2 CONDITION: D

DEPTH TO LIMITING FACTOR: 6-8"

SIZE RATINGS USED FOR DESIGN PURPOSES

- SMALL
- MEDIUM
- MEDIUM-LARGE
- LARGE
- EXTRA LARGE

DISPOSAL AREA TYPE/SIZE

- BED _____ Sq. Ft.
- CHAMBER _____ Sq. Ft.
 REGULAR H-20
- TRENCH _____ Linear Ft.
- OTHER: GEOFLOW
4 ROWS OF 75'

SITE EVALUATOR STATEMENT

On 11-3-94 (date) I conducted a site evaluation for this project and certify that the data reported is accurate. The system I propose is in accordance with the Subsurface Wastewater Disposal Rules.

Site Evaluator Signature: [Signature] SE# 275 Date: 11-4-94

(Local Plumbing Inspector's Signature if permit is for Seasonal Conversion.)

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

Owners Name

AUGUSTA

SPRING ST

DEBBIE GIROUX

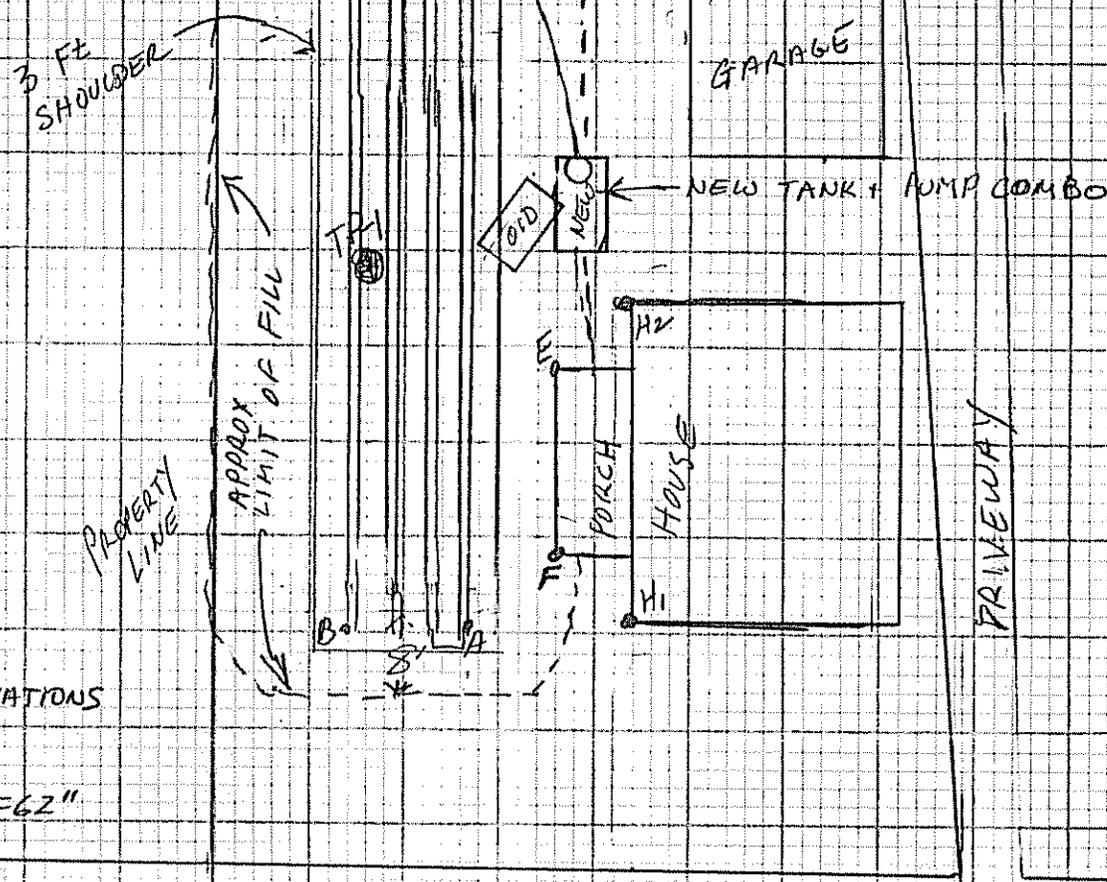
SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20' Ft.

EA = 28.5'
EB = 34'
EC = 50.5'
ED = 48'
H₁A = 16'
H₁B = 29'
H₂D = 42'
H₂C = 47'

ORIGINAL ELEVATIONS

a = 63"
b = 65"
D = 61" TP-1 = 62"
C = 60"



FILL REQUIREMENTS

Depth of Fill (Upslope) 31"
Depth of Fill (Downslope) 31"

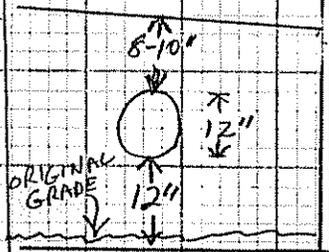
CONSTRUCTION ELEVATIONS

Reference Elevation is 0
Bottom of Disposal Area -48
Top of Distribution Lines or Chambers -36

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

FLAGGED NAIL IN RAILING
EDGE OF PORCH ABOUT
57" ABOVE GRADE

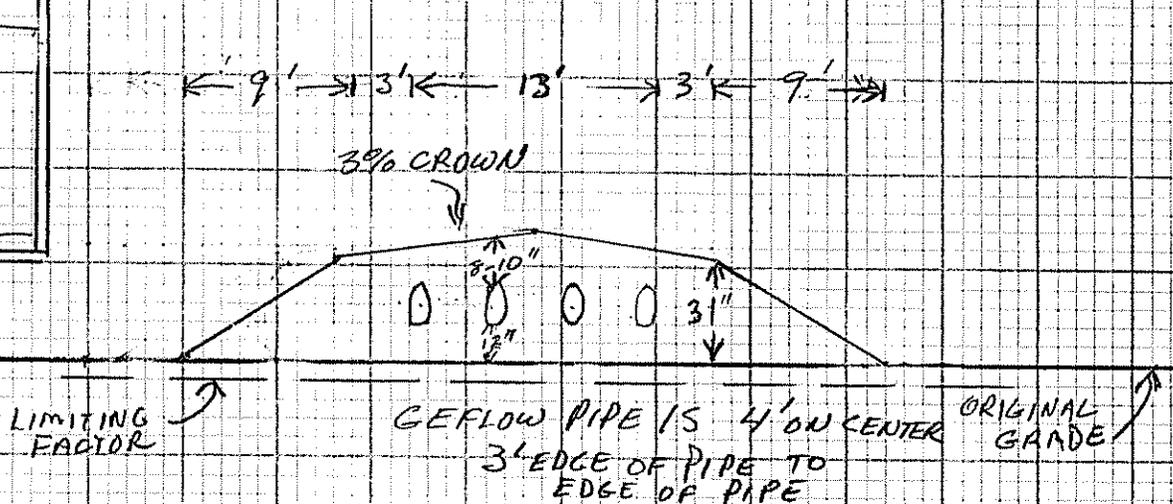
DETAIL NOT TO SCALE



DISPOSAL AREA CROSS SECTION

Scale:

Vertical: 1 inch = Ft.
Horizontal: 1 inch = Ft.



David Studer
Site Evaluator Signature

275
SE#

11-4-94
Date

ADDENDUM TO HHE-200 AND ADDITIONAL INFORMATION ABOUT YOUR SEPTIC SYSTEM

1. You should have your septic system pumped out and checked every 1-2 years to prolong the life of the system.
2. Water softeners should drain to a separate gray water disposal system.
3. Your septic system must be installed level and all joints, etc. must be water tight. This applies to the pump tank if your system requires pumping. Distribution boxes shall have Equalizers installed on the outlets. In bed systems, a 4-way pipe with Equalizers may be used instead of a distribution box.
4. Low volume toilets and water conservation measures are recommended, even if your design does not require them.
5. All construction shall conform to the State of Maine Subsurface Waste Disposal Rules chapter 241.
6. All fill shall be sandy loam or loamy sand or coarser, with sufficient fines for compaction. Fill shall be place in 8 inch lifts.
7. All wells shall be at least 100 feet from the leaching field unless a variance is granted.
8. Property lines are as provided by the owner and no accuracy is implied. Actual lines must be confirmed by a survey.
9. ~~All Residential installations of tanks shall have a Zabel Model A-1800 filter installed.~~ Provide a low profile septic tank when determined to be necessary in the field.
10. Force mains, pump stations, and/or gravity piping subject to freezing shall be adequately insulated.
11. Systems shall be provided with adequate erosion control until adequate vegetated cover is established.
12. The design flow of the system should not be exceeded in any day.
13. Remove all vegetation and organic material under the leach field and fill extensions. Till or scarify the original soil 6-12 inches deep, where the bottom of a leach field is cut into the original grade. Caution-- avoid compaction of original soil under the bed and fill extentions during construction.
14. The LPI shall inform the owner and designer of any local ordinances or requirements exceeding the Rules, prior to issuing a permit, so that the application may be properly amended.

15. ROAD DRAINS + OTHER SURFACE WATER IS TO BE DIRECTED AWAY FROM SEPTIC SYSTEM

SEPTIC SYSTEM USER NOTES

1. This septic system has been designed to meet requirements of the State of Maine Subsurface Waste disposal rules, 10-144A CMR 241. Because site Evaluators are not notified when local ordinances are enacted which exceed state requirements, it is the homeowner's responsibility to ensure that this system design (HHE-200 form) is in compliance with local ordinances. This can be done by contacting your local LPI and asking about local ordinances which differ from those listed in the Rules.
 2. It is the homeowner's responsibility to obtain any local, state or federal permit(s) that may be required for the installation of this septic system (work within or adjacent to a wetland may require a state and/or federal permit). Contact the Maine Dept. of Environmental Protection at 289-2111 or the Army Corps of Engineers at 623-8367, if you have any questions.
 3. The use of a garbage grinder on a septic system is not recommended. If a garbage grinder is to be used, additional tank capacity, filters such as the Zabel A-100, and more frequent tank pumping is recommended.
 4. It is recommended that the homeowner install low volume toilets (1 1/2 gallon or less per flush) and other flow reducing fixtures to minimize water consumption. This should extend the life of the system, all other things being equal.
 5. It is the homeowners responsibility to limit water consumption and waste water so that the septic system design capacity is not exceeded on any day. Activities which generate large amounts of wastewater, such as laundries, should be spread out over several days rather than doing a number of them on a particular day. Excessive use of a system on any day (typically weekends for working couples) can cause the system to fail, even if the flow averaged out over the month or week is below design volume. *
 6. Do not connect roof or floor drains to a septic system. The system is not designed to handle this water and may cause premature failure. Do not dispose of backwash from water softeners or water treatment devices for the same reason. *
 7. Do not dispose of any hazardous or toxic substances in a septic system, such as paint, paint thinners & solvents, varnishes, photographic solutions, pesticides, insecticides, organic solvents or degreasers, and drain cleaners or openers. Instead of a commercial degreaser or drain opener, use one of the following:
 - a. A plunger or mechanical snake, or
 - b. Pour 1 handful of baking soda and 1/2 cup of white vinegar down the drain pipe and cover for one minute. Repeat as necessary, or
 - c. Pour 1/2 cup salt and 1/2 cup baking soda down the drain followed by 6 cups of boiling water. Let sit several hours or overnight. Then flush with water.
 8. Do not dispose of any inert or non-biodegradable substances into your septic system such as disposable diapers, cat box litter, coffee grounds, cigarette filters, sanitary napkins, facial tissues and wet strength paper towels.
 9. Do not dispose of large quantities of fats or grease into your septic system unless an external grease trap has been installed for that purpose. Generally, an internal grease trap is inadequate to handle excessive amounts of grease or fat.
 10. Do not add any septic tank cleaner or additive to your septic system to improve its function or prolong its useful operating life. This includes yeast, horse manure, or commercial products. No effective product or material is recognized by State authorities and some products may cause your system to fail.
 11. Maintain your septic system by regularly having the septic tank pumped. Some biological breakdown of solid and grease occurs in the tank but the rate of accumulation virtually always exceeds the rate of breakdown. If your tank is not pumped often enough, solids and greases may build up to the point where they enter the disposal area. Once this material reaches the disposal area it will clog the soil surface and likely cause premature failure.
- I recommend having your septic tank pumped or inspected after one year of use. The pumper can advise you how often you need to have the tank pumped based on what he finds at this inspection. Typical a tank is pumped every 2 to 5 years. Adjust the pumping frequency with changes in how you use the system—the more you use the system, the more frequently the tank should be pumped. *
12. Do not drive or store heavy materials on any part of your septic system, unless it is designed specifically to handle heavy loads. Otherwise, crushed components may result in system failure.
 13. Divert all surface water away from the septic tank and disposal area. Roof area that contributes runoff water to septic system site should have gutters installed to divert water to another location. *

EASE- If you have any questions about your system or how to use it call and ask me for advice at (207) 845-2352. You can also call the Division of Health Engineering at 289-5672.

DAVID STUDER, LSE #275
RR1 BOX 324, WASHINGTON, ME, 04574