

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 may approve the Request if all of the following requirements can be met, and the variance(s) requested fall within the limits of the 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.

Town

GENERAL INFORMATION

Town of AUGUSTA

Permit No. 3287

E

Date Permit Issued 8/3/95

MONTH/DAY/YEAR

Property Owner's Name:

FRANK G. LEVIN, JUNIE G. WOOD, PHYLLIS G. KELLY
GEORGE & PHYLLIS KELLY

Tel. No.

622-1806

System's Location:

PULLEN ROAD

STREET

AUGUSTA

TOWN

Maine

04330

ZIP

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

RT 7 BOX 1005

STREET

AUGUSTA

TOWN

ME

STATE

04330

ZIP

SPECIFIC INSTRUCTIONS TO THE:

LPI:

If any of the variances exceed your authority and /or do not meet all of the requirements listed under the Limitations Section above, then 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 the 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.

George S. Kelly

PROPERTY OWNER'S SIGNATURE

7/27/95

DATE

VARIANCE CATEGORY SOILS	VARIANCE REQUESTED	LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
		Soil Profile	Ground Water Table	to 6"	
Soil Condition	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	100a	300a		
	2. Well: < 2000 gal/day	50'b	60b		
	a. Neighbors				
	b. Property Owner's	25'	50'		
	3. Water Supply Line	See note 'a'			
Waterbodies	1. Perennial	50'	60'	42'	79'
	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'		
	2. Without Basement	5'	10'		8.5'
Property Line		4'	5'		

OTHER

1. Fill Extension Grade--to 3:1

2. SEPTIC TANK TO BE TESTED FOR WATER-TIGHTNESS IN PRESENCE OF LPI

3.

Footnotes:

- a. This setback 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 fill does not extend to the 3:1 slope.

WILLIAM P BROWN

SITE EVALUATOR'S SIGNATURE

7/18/95

DATE

LPI STATEMENT

I, Way R. Lulbe, 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, he shall list his reasons for denial in Comments Section below and return to the applicant.

b. find that one or more of the requested Variances exceeds my 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 the Comments Section below as to why the proposed replacement system is not being recommended.

Comments:

Way R. Lulbe
LPI'S SIGNATURE

7/24/95
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

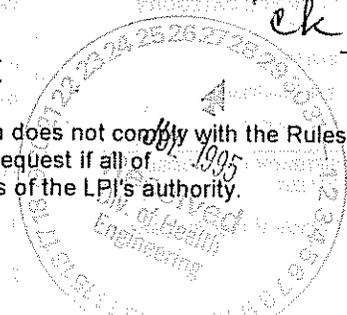
REPLACEMENT SYSTEM VARIANCE REQUEST

m 74 66
Pd 30
ek 30

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GENERAL INFORMATION

Town of AUGUSTA

Permit No. _____ E

Date Permit Issued _____ MONTH/DAY/YEAR

Property Owner's Name: FRANK L. GOVIN, JUNE G. WOOD, PHYLLIS G. KELLY

GEORGE & PHYLLIS KELLY Tel. No. 622-1806

System's Location: PULLEN ROAD

STREET

AUGUSTA

TOWN

Maine 04330

ZIP

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

RT 7 BOX 1005

STREET

AUGUSTA

TOWN

ME

STATE

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SPECIFIC INSTRUCTIONS TO THE:

LPI:

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PROPERTY OWNER:

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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.

George E. Kelly
PROPERTY OWNER'S SIGNATURE

7/27/95
DATE

VARIANCE CATEGORY SOILS	VARIANCE REQUESTED	LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
Soil Profile	Ground Water Table		to 6"		Inches
Soil Condition	Restrictive Layer		to 6"		Inches
from HHE-200	Bedrock		to 10"		Inches
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OTHER

1. Fill Extension Grade--to 3:1

2. SEPTIC TANK TO BE TESTED FOR WATER-TIGHTNESS IN PRESENCE OF LPI

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Footnotes:

- a. This setback cannot be reduced by variance. See Table 6 -2.
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- c. Sufficient distance shall be maintained to assure that the fill does not extend to the 3:1 slope.

WILLIAM P BROWN

William P Brown
SITE EVALUATOR'S SIGNATURE

7/18/95

DATE

LPI STATEMENT

I, *Gay R. Luther*, LPI for the Town of *Angvota* 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, he 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 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 the **Comments** Section below as to why the proposed replacement system is not being recommended.

Comments:

Gay R. Luther
LPI'S SIGNATURE

7/27/95
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.

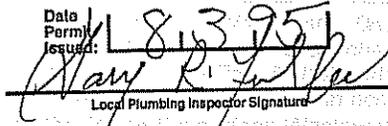
Wallace W. Hamerly
SIGNATURE OF THE DEPARTMENT

7-31-95
DATE

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

1746
 Department of Human Services
 Division of Health Engineering
 (207)289-3826

PROPERTY ADDRESS	
Town or Plantation	AUGUSTA
Street / Division Lot #	PULLEN ROAD
PROPERTY OWNERS NAME	
Last: KELLY	First: GEORGE & PHYLLIS
Applicant Name:	RT 7 BOX 1005
Mailing Address of Owner/Applicant (If Different)	AUGUSTA, ME 04330

AUGUSTA	3287	TOWN COPY
Date Permit Issued: 8/3/95	\$ 6.00	<input type="checkbox"/> If Double Fee Charged
 Local Plumbing Inspector Signature		L.P.I. # 850

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.

George S. Kelly
 Signature of Owner/Applicant

Date _____

Caution: Inspection Required

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

Mary R. Fuller
 Local Plumbing Inspector Signature

8/7/95
 Date Approved

PERMIT INFORMATION

THIS APPLICATION IS FOR:

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

SEASONAL CONVERSION
 to be completed by LPI

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

IF REPLACEMENT SYSTEM:
 YEAR FAILING SYSTEM INSTALLED '24

THE FAILING SYSTEM IS:

- BED
- CHAMBER
- TRENCH
- OTHER: _____

SIZE OF PROPERTY	ZONING
0.75 ACRES	SHORELAND

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

DISPOSAL SYSTEM TO SERVE:

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

INSTALLATION IS:

COMPLETE SYSTEM

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

INDIVIDUALLY INSTALLED COMPONENTS

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

TYPE OF WATER SUPPLY
LAKE WATER

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

- SEPTIC: Regular

LIFT STATION Low Profile

- AEROBIC (ONE-PIECE)

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: **50** GALS.

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

**2 BEDROOM @ 180GPD PLUS
 1 BDRM BUNKHOUSE @ 90GPD**

DESIGN FLOW: **270**
 GALLONS/DAY

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
3	C

DEPTH TO LIMITING FACTOR: **17** "

SIZE RATINGS USED FOR DESIGN PURPOSES

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

DISPOSAL AREA TYPE/SIZE EFFECTIVE SIZE

- BED _____ Sq Ft
- CHAMBER **896+** Sq Ft
 REGULAR H-20
- TRENCH _____ Linear Ft.
- OTHER: _____

SITE EVALUATOR STATEMENT

On **JULY 18, 1995** (date) I conducted a site evaluation for this project and certify that the data reported is accurate. The system that I propose is in accordance with the Subsurface Wastewater Disposal Rules.

WILLIAM P BROWN *William P Brown*
 Site Evaluator Signature
 (Local Plumbing Inspector's Signature
 If permit is for Seasonal Conversion.)

188
 SE#

7/18/95
 Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation
AUGUSTA

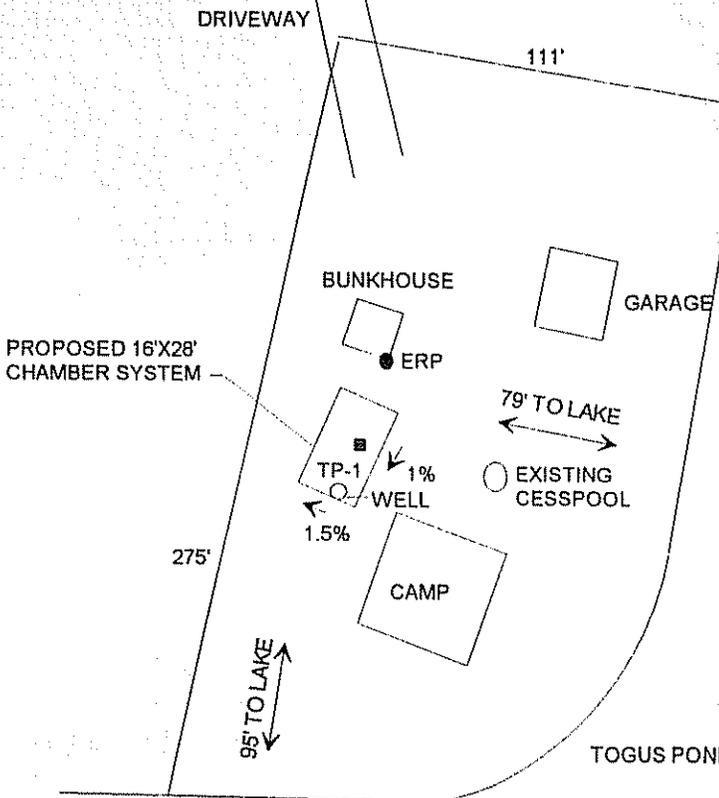
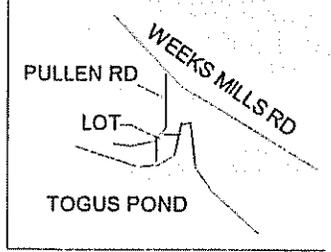
Street, Road, Subdivision
PULLEN ROAD

Owners Name
GEORGE & PHYLLIS KELLY

SITE PLAN

Scale 1" = 50 Ft.

SITE LOCATION PLAN (Attach Map from Maine Atlas for New System Variance)



ERP TO TP-1 = 26'

EXISTING DUG WELL (NOT USED) TO BE PROPERLY ABANDONED

SOIL DESCRIPTION AND CLASSIFICATION

Observation Hole TP-1 Test Pit Boring
1' Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0			MEDIUM BROWN	
6	FINE SANDY LOAM	FRIABLE	ORANGE BROWN	NONE
10				
15				
20			LIGHT BRN	COMMON
25		FIRM	OLIVE BRN	
30				
40				
50				

Soil Profile: 3	Classification Condition: C	Slope: 0.5-1.5%	Limiting Factor: 17'	<input checked="" type="checkbox"/> Ground Water
				<input type="checkbox"/> Restrictive Layer
				<input type="checkbox"/> Bedrock

(Location of Observation Holes Shown Above)

Observation Hole _____ Test Pit Boring
_____ Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0				
6				
10				
15				
20				
25				
30				
40				
50				

Soil Profile: _____	Classification Condition: _____	Slope: _____ %	Limiting Factor: _____'	<input type="checkbox"/> Ground Water
				<input type="checkbox"/> Restrictive Layer
				<input type="checkbox"/> Bedrock

WILLIAM P BROWN *William P Brown*
Site Evaluator Signature

188
SE #

7/18/95
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

Owners Name

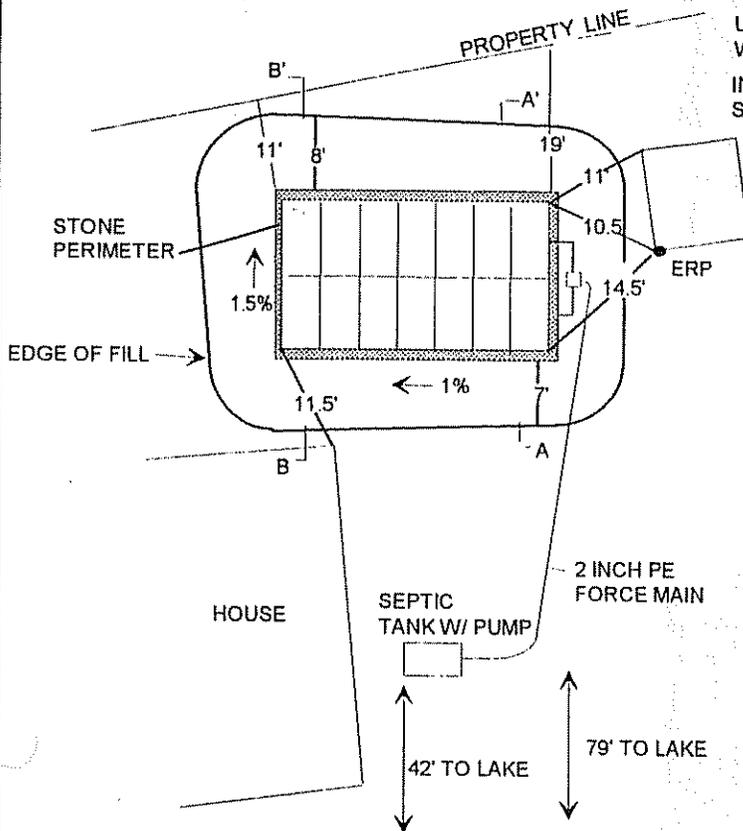
AUGUSTA

PULLEN ROAD

GEORGE & PHYLLIS KELLY

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20' Ft.



USE 14'-4" X 8' CONCRETE CHAMBERS
WITH SIDE ENTRY DISTRIBUTION PIPING
INSTALL A ONE FOOT WIDE PERIMETER OF CRUSHED
STONE AROUND THE CHAMBER SYSTEM

BUNKHOUSE PLACE RISER OVER D-BOX AND
PUMP STATION TO ALLOW
FUTURE MAINTENANCE

ALL GRAVITY PIPING TO BE AT LEAST SDR 35
ALL LOCATION MEASUREMENTS ARE TO EDGE OF
CONCRETE CHAMBERS
MEASUREMENTS TO POND AND PROPERTY LINE
ARE FROM EDGE OF STONE AROUND SYSTEM

PUMP OUT AND FILL EXISTING CESSPOOL WITH GRAVEL
PROPERLY ABANDON EXISTING UN-USED DUG WELL

MAINTAIN FILL ON PROPERTY

SEPTIC TANK TO BE TESTED FOR WATER-TIGHTNESS
IN PRESENCE OF LPI



FILL REQUIREMENTS

Depth of Fill (Upslope) **19-22"**
Depth of Fill (Downslope) **20-25"**

CONSTRUCTION ELEVATIONS

Reference Elevation is **00"**
Bottom of Disposal Area **-29"**
Top of distribution Lines or Chambers **-16"**

ELEVATION REFERENCE POINT

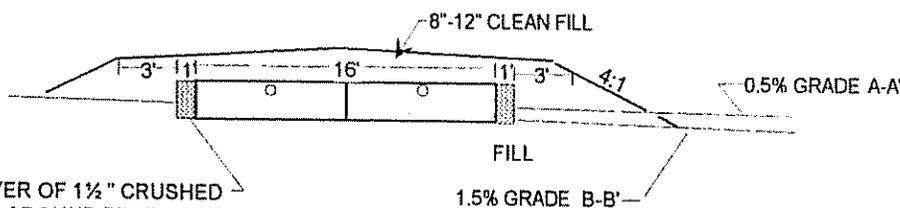
LOCATION & DESCRIPTION
**FLAGGED NAIL IN CORNER OF
BUNKHOUSE 2 FT ABOVE GROUND**

DISPOSAL AREA CROSS SECTION

Scale:

Vertical: 1 inch = 5 Ft.
Horizontal: 1 inch = 10 Ft.

SECTIONS



12" LAYER OF 1 1/2" CRUSHED
STONE AROUND PERIMETER
COVER WITH 2" HAY OR A LAYER
OF FILTER FABRIC EQUAL TO MIRAFI 140 N

COVER TOP SEAMS BETWEEN CONCRETE
CHAMBERS WITH HAY OR FABRIC

INSTALL EROSION CONTROL MEASURES BEFORE CONSTRUCTION
REMOVE VEGETATION IN DISPOSAL AREA
SCARIFY ENTIRE FILL AREA
ALL FILL SHALL BE GRAVELLY COARSE SAND TO COARSE SAND
INSTALL CHAMBERS PER MANUFACTURER'S INSTRUCTIONS
CROWN FINISH GRADE FROM CENTER AT 3%
LOAM, SEED, MULCH

WILLIAM P BROWN
Site Evaluator Signature

William P Brown

188
SE #

7/18/95
Date

Page 3 of 3
HHE-200 Rev. 1/84