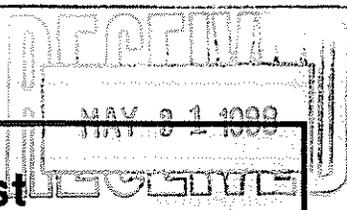


1334



# Replacement System Variance Request

## THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

S-179

This form shall be attached to an Application for the proposed replacement system which is in noncompliance 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 with LPI approval limitations can be met.

1. The replacement system is correcting a malfunction or an unlicensed wastewater discharge system.
2. A replacement 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 does not conflict with Seasonal Conversion Permit (30 MRSA § 3223) or with Mandatory Shoreland Zoning (12 MRSA § 4811).
6. 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

Town Code 04330

Permit No. 01334E

Date Permit Issued 6-1-88  
month/day/yr.

Property Owner's Name: Charles Duplin

Tel. No. 622-5253

System's Location: Corner of Mt Vernon Rd + Wade Rd  
Street

Augusta  
Town

MAINE

Zip

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

Alice Rafuse 8 Spaulding St  
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, 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 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.

Hertude Duplex  
Property Owner's Signature

5-31-88  
Date

Variance Category	Variance Requested	Limit of LPI's Approval Authority		Variance Requested to:	
<b>Soils</b> Soil Profile Soil Condition from HHE-200	Ground Water Table	to 6"		7"	inches
	Restrictive Layer	to 6"			inches
	Bedrock	to 10"			inches
<b>Setback Distances</b> (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				
	a. Neighbor's	100b	100b		
	b. Property Owner's	50'	60'	50'	40'
	3. Water Supply Line	See Note 'a'			
Waterbodies	1. Perennial	60'	60'		
	2. Intermittent	25'	25'		
	3. Manmade drainage ditch	15'	15'		
Downhill Slope	Greater than 3:1 (33%)	5'	10'		
Buildings	1. With basement	See Note	15'		
	2. Without basement	'a'	10'		
Property Line		5'	5'		

Other Specify:

**Footnotes:**

- a. This setback distance cannot be reduced by variance. See Table 6-2.
- b. A variance to reduce the 100 foot setback distance to a minimum of 80 feet may be granted only with the neighbor's written permission.
- c. Sufficient distance shall be maintained to assure that the toe of the fill does not extend to the 3:1 slope.

*Hannon Beyhan*  
Site Evaluator's Signature

11/10/87  
Date

**LPI Statement**

I, George A. Sancy 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 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,  do not approve) 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 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. Sancy Jr.*  
LPI's Signature

6-1-88  
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.

*Brent J. McEntley* WW&PC  
Signature of the Department

JUNE 01, 1988  
Date

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

PROPERTY ADDRESS	
Town Or Plantation	Augusta
Street	Mt Vernon Rd
Subdivision Lot #	
PROPERTY OWNERS NAME	
Last: Duplin	First: Charles
Applicant Name:	Alice Ra fuse
Mailing Address of Owner/Applicant (If Different)	8 Spaulding St Augusta Me 04330

AUGUSTA	PERMIT # 1,334	TOWN COPY
Date Permit Issued: 6/1/88	FEE \$ 100.00	<input type="checkbox"/> Double Fee Charged
Local Plumbing Inspector Signature: <i>[Signature]</i>	L.P.I. # 1828	

**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]*  
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.

*[Signature]*  
Local Plumbing Inspector Signature

6/15/88  
Date Approved

## PERMIT INFORMATION

**THIS APPLICATION IS FOR:**

- NEW SYSTEM
- REPLACEMENT SYSTEM
- EXPANDED SYSTEM
- SEASONAL CONVERSION
- EXPERIMENTAL SYSTEM

**THIS APPLICATION REQUIRES:**

- NO RULE VARIANCE REQUIRED
- 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

**INSTALLATION IS:**

COMPLETE SYSTEM

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

**INDIVIDUALLY INSTALLED COMPONENTS:**

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

**IF REPLACEMENT SYSTEM:**

YEAR FAILING SYSTEM INSTALLED ~ '67

THE FAILING SYSTEM IS:

- BED
- CHAMBER
- TRENCH
- OTHER: \_\_\_\_\_

**DISPOSAL SYSTEM TO SERVE:**

- SINGLE FAMILY DWELLING
- MODULAR OR MOBILE HOME
- MULTIPLE FAMILY DWELLING
- OTHER \_\_\_\_\_ SPECIFY \_\_\_\_\_

**SIZE OF PROPERTY** ~ 4/10 acre

**ZONING** Rural

**TYPE OF WATER SUPPLY**  
Drilled Well

## 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  
(DEPENDENT ON TREATMENT TANK LOCATION AND ELEVATION)
- REQUIRED

DOSE: \_\_\_\_\_ GALS.

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

3 Bedroom House Minimum

DESIGN FLOW: 270 (GALLONS/DAY)

**SOIL CONDITIONS USED FOR DESIGN PURPOSES**

PROFILE	CONDITION
8	D

DEPTH TO LIMITING FACTOR: 7

**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 Infl.
- TRENCH \_\_\_\_\_ Linear Ft.
- OTHER: \_\_\_\_\_

## SITE EVALUATOR STATEMENT

On 10/31/87 (date) I conducted a site evaluation for this project and certify that the data reported is accurate. The system proposed is in accordance with the Subsurface Wastewater Disposal Rules.

*[Signature]*  
Site Evaluator Signature

201  
SE#

10/31/87  
Date

\* Local Plumbing Inspector Signature if a Local Site Evaluation Waiver under a Local Option

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

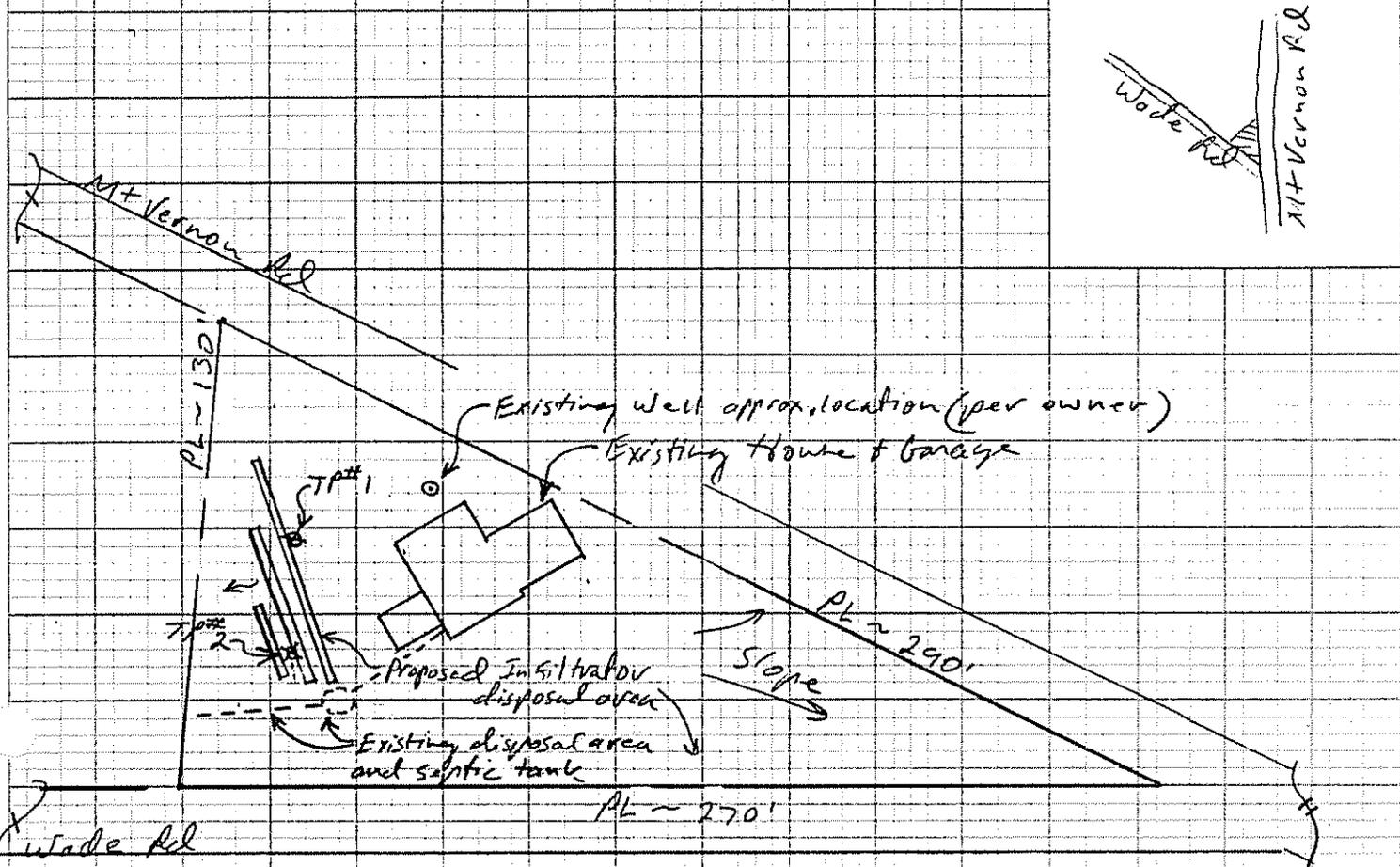
Department of Human Services  
Division of Health Engineering

Town, City, Plantation Augusta Street, Road, Subdivision Mt Vernon Rd + Ward Rd Owners Name Charles Dupplin

## SITE PLAN

Scale 1" = 50 Ft.

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



### SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole TP#1  Test Pit  Boring

0 " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
0			
6	Silt loam (Mixed Fill)		
10	Loam Friable		
15	Fine Sandy loam Friable		
20	Silt loam } Albic + orange } Common		
30	} } Grey } Prominent		
40			
50			

Soil Profile S Classification D Slope ~4% Limiting Factor 7' Fill

Ground Water  
 Restrictive Layer  
 Bedrock

Observation Hole TP#2  Test Pit  Boring

0 " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
0			
6			
10	(Mixed disturbed + silted)		
15			
20	Silt loam } orange		
30	} } hole previously filled with rain water		
40	} } then test pit excavated by site evaluator (who did not return) 6 months earlier. Soils appear to be similar to TP#1		
50			

Soil Profile S Classification D Slope ~4% Limiting Factor unable to determine

Ground Water  
 Restrictive Layer  
 Bedrock

*Hamilton Dupplin*  
Site Evaluator Signature

201  
SE#

11/7/87  
Date

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Town, City, Plantation: Augusta Street, Road, Subdivision: Mt Vernon Rd + Ward Rd Owners Name: Charles Duplin

## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.

All construction to be in accordance w/ state plumbing code. A careful examination of existing interior plumbing and required infiltrator elevations is necessary to determine if pumping will be required.

- Area to be filled must be filled w/ sandy loam material. Do not use silt loams or clay excavated from infiltrators except on top 6"
- Septic tank must be at least 8' from house
- Final grade to divert surface water.

Crush and fill existing septic tank also excavate and back fill existing disposal area within 20' of proposed infiltrators. Back fill with sandy loam material.

1000 Gal septic tank

Approx limit of fill extension

4" solid pipe serial distribute septic tank effluent from row 1, 1 to Row 2, to Row 3

Row 1 has 10 infiltrators  
Row 2 has 7 infiltrators  
Row 3 has 5 infiltrators

Area to be filled

### FILL REQUIREMENTS

Depth of Fill (Upslope) 18"  
Depth of Fill (Downslope) 18"

### CONSTRUCTION ELEVATIONS

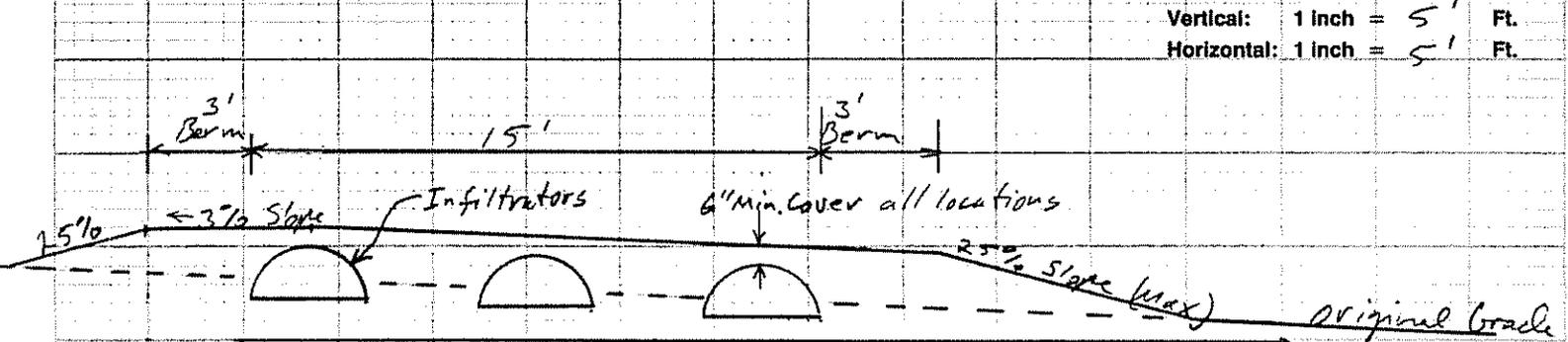
Reference Elevation is 0'00"  
Bottom of infiltrators ... see below  
Top of Distribution Lines or Chambers NA

### ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

EAP is red flagged w/ in corner of building shown

### DISPOSAL AREA CROSS SECTION

Scale:  
Vertical: 1 inch = 5' Ft.  
Horizontal: 1 inch = 5' Ft.



Row #	Row #	Row #	Bottom of infiltrators
Row #1	Row #2	Row #3	Distance below elevation reference
- 61"	- 64"	- 68"	
$\frac{15}{46}$	$\frac{15}{47}$	$\frac{15}{53}$	

Harrison Duplin  
Site Evaluator Signature

201  
SE#

11/2/87  
Date