

REPLACEMENT SYSTEM VARIANCE REQUEST

Town Copy FORMS

THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form shall be attached to an application (HHE-200) for the proposed replacement system which requires a variance to the Rules. The LPI shall review the Replacement System Variance Request an HHE-200 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 as defined in the Rules (Sec. 2006)
2. There will be no change in use of the structure except as authorized for one-time exempted expansions outside the shoreland zone of major waterbodies/courses.
3. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.
4. The BOD5 plus S.S. content of the wastewater is no greater than that of normal domestic effluent.

GENERAL INFORMATION
Town of AUGUSTA
Permit No. 6149
Date Permit Issued 5/12/08
Property Owner's Name: GLEEF BALLARD
System's Location: RT. 27 758 Civic Center Dr
Property Owner's Address: RT. 27, SIDNEY, ME. 04330

SPECIFIC INSTRUCTIONS TO THE: LOCAL PLUMBING INSPECTOR (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.
SITE EVALUATOR:
If after completing the Application, you find that a variance for the proposed replacement system is needed, complete the Replacement Variance Request with your signature on reverse side of form.
PROPERTY OWNER:
If 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.

PROPERTY OWNER
I understand that the proposed system requires a variance to the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.
Signature: Glee C Ballard
Date: May 10 08

LOCAL PLUMBING INSPECTOR
I, Amy R. Yuth, the undersigned, have visited the above property and have determined to the best of my knowledge that it cannot be installed in compliance with the Rules. As a result of my review of the Replacement Variance Request, the Application, and my on-site investigation, I (check and complete either a or b):
a. (Z 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 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, the reasons shall be stated in Comments Section below as to why the proposed replacement system is not being recommended.
Comments:
Signature: Amy R. Yuth
Date: 5/12/08

FORMS

Replacement System Variance Request

- VARIANCE CATEGORY	LIMIT OF LPI'S APPROVAL AUTHORITY						VARIANCE REQUESTED TO:	
	SOILS							
Soil Profile	Ground Water Table			to 7"				
Soil Condition	Restrictive Layer			to 7"			10 inches	
from HHE-200	Bedrock			to 12"			10 inches	
SETBACK DISTANCES (In feet)	Disposal Fields			Septic Tanks			Disposal Fields	Septic Tanks
From	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	To	To
Wells with water usage of 2000 or more gpd or public water supply wells	300 ft [a]	300 ft [a]	300 ft [a]	100 ft [a]	100 ft [a]	100 ft [a]		
Owner's wells	100 down to 60 ft	200 down to 100 ft	300 down to 150 ft	100 down to 50 ft [b]	100 down to 50 ft	100 down to 50 ft		
Neighbor's wells	100 down to 60 ft [b]	200 down to 120 ft [b]	300 down to 180 ft [b]	100 down to 50 ft [b]	100 down to 75 ft [b]	100 down to 75 ft [b]		
Water supply line	10 ft [a]	20 ft [a]	25 ft [a]	10 ft [a]	10 ft [a]	10 ft [a]		
Water course, major - for replacements only, see Table 400.4 for major expansions	100 down to 60 ft	200 down to 120 ft	300 down to 180 ft	100 down to 50 ft	100 down to 50 ft	100 down to 50 ft		
Water course, minor	50 down to 25 ft	100 down to 50 ft	150 down to 75 ft	50 down to 25 ft	50 down to 25 ft	50 down to 25 ft		
Drainage ditches	25 down to 12 ft	50 down to 25 ft	75 down to 35 ft	25 down to 12 ft	25 down to 12 ft	25 down to 12 ft		
Edge of fill extension -- Coastal wetlands, special freshwater wetlands, great ponds, rivers, streams	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]		
Slopes greater than 3:1	10 ft	18 ft	25 ft	N/A	N/A	N/A		
No full basement (e.g. slab, frost wall, columns)	15 down to 7 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5 ft	14 down to 7 ft	20 down to 10 ft		
Full basement (below grade foundation)	20 down to 10 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5 ft	14 down to 7 ft	20 down to 10 ft		
Property lines	10 down to 5 ft [c]	18 down to 9 ft [c]	20 down to 10 ft [c]	10 down to 4 ft [c]	15 down to 7 ft [c]	20 down to 10 ft [c]		
Burial sites or graveyards, measured from the down toe of the fill extension	25 ft	25 ft	25 ft	25 ft	25 ft	25 ft		
OTHER								
1. Fill extension Grade - to 3:1								
2.								
3.								

Footnotes: [a.] Single-family well setbacks may be reduced as prescribed in Section 701.2.
 [b.] This distance may be reduced to 25 feet, if the septic or holding tank is tested in the plumbing inspector's presence and shown to be watertight or of monolithic construction.
 [c.] Additional setbacks may be needed to prevent fill material extensions from encroaching onto abutting property.
 [d.] Additional setbacks may be required by local Shoreland zoning.
 [e.] Natural Resource Protection Act requires a 25 feet setback, on slopes of less than 20%, from the edge of soil disturbance and 100 feet on slopes greater than 20%. See Chapter 15.
 [f.] May not be any closer to neighbors well than the existing disposal field or septic tank unless written permission is granted by the neighbor. This setback may be reduced for single family houses with Department approval. See Section 702.3.
 [g.] The fill extension shall reach the existing ground before the 3:1 slope or within 100 feet of the disposal field.
 [h.] See Section 1402.10 for special procedures when these minimum setbacks cannot be achieved.



 SITE EVALUATOR'S SIGNATURE

5/8/08

 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

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept Health & Human Services
Division of Health Engineering 10 SMS
(207) 287-5672 Fax (207) 287-3188

PROPERTY LOCATION		>> CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW <<	
City, Town, or Plantation	<u>AUGUSTA</u>	AUGUSTA PERMIT # 6149 TOWN COPY Date Permit Issued: <u>5/12/08</u> \$ <u>120.00</u> <input type="checkbox"/> Double Fee Charged Local Plumbing Inspector Signature: <u>[Signature]</u> L.P.I. # <u>5601</u>	
Street or Road	<u>RT # 27</u>		
Subdivision, Lot #	<u>758 Civic Center Dr</u>		
OWNER/APPLICANT INFORMATION			
Name (last, first, MI)	<u>BALLARD, GLEE</u> <input type="checkbox"/> Owner <input checked="" type="checkbox"/> Applicant		
Mailing Address of Owner/Applicant	<u>RT # 27</u> <u>SIONEY, ME. 04330</u>		
Daytime Tel #		Municipal Tax Map # <u>1</u> Lot # <u>47</u>	
OWNER OR APPLICANT STATEMENT		CAUTION: INSPECTION REQUIRED	
I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit		I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application	
Signature of Owner or Applicant _____ Date _____		Local Plumbing Inspector Signature: <u>[Signature]</u> <u>5/11/08</u> (1st date approved) <u>5/12/08</u> (2nd date approved)	

PERMIT INFORMATION		
TYPE OF APPLICATION	THIS APPLICATION REQUIRES	DISPOSAL SYSTEM COMPONENTS
<input type="checkbox"/> 1 First Time System <input checked="" type="checkbox"/> 2 Replacement System Type replaced: <u>?</u> Year installed: <u>?</u> <input type="checkbox"/> 3 Expanded System <input type="checkbox"/> a Minor Expansion <input type="checkbox"/> b Major Expansion <input type="checkbox"/> 4 Experimental System <input type="checkbox"/> 5 Seasonal Conversion	<input type="checkbox"/> 1 No Rule Variance <input type="checkbox"/> 2 First Time System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval <input checked="" type="checkbox"/> 3 Replacement System Variance <input checked="" type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval <input type="checkbox"/> 4 Minimum Lot Size Variance <input type="checkbox"/> 5 Seasonal Conversion Permit	<input checked="" type="checkbox"/> 1. Complete Non-engineered System <input type="checkbox"/> 2. Primitive System (graywater & att toilet) <input type="checkbox"/> 3. Alternative Toilet, specify _____ <input type="checkbox"/> 4. Non-engineered Treatment Tank (only) <input type="checkbox"/> 5. Holding Tank, _____ gallons <input type="checkbox"/> 6. Non-engineered Disposal Field (only) <input type="checkbox"/> 7. Separated Laundry System <input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more) <input type="checkbox"/> 9. Engineered Treatment Tank (only) <input type="checkbox"/> 10. Engineered Disposal Field (only) <input type="checkbox"/> 11. Pre-treatment, specify _____ <input type="checkbox"/> 12. Miscellaneous Components
SIZE OF PROPERTY	DISPOSAL SYSTEM TO SERVE	TYPE OF WATER SUPPLY
_____ SQ. FT. _____ ACRES <u>1.5</u>	<input checked="" type="checkbox"/> 1 Single Family Dwelling Unit, No. of Bedrooms: <u>2</u> <input type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: _____ <input type="checkbox"/> 3. Other: _____ (specify) _____ Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped	<input checked="" type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private <input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other
SHORELAND ZONING	DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

TREATMENT TANK	DISPOSAL FIELD TYPE & SIZE	GARBAGE DISPOSAL UNIT	DESIGN FLOW
<input checked="" type="checkbox"/> 1 Concrete <input checked="" type="checkbox"/> a Regular <input type="checkbox"/> b Low Profile <input type="checkbox"/> 2 Plastic <input type="checkbox"/> 3 Other CAPACITY <u>4,000 GAL</u>	<input type="checkbox"/> 1 Stone Bed <input type="checkbox"/> 2. Stone Trench <input checked="" type="checkbox"/> 3 Proprietary Device <input type="checkbox"/> a. cluster array <input checked="" type="checkbox"/> c. Linear <input checked="" type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4 Other: _____ SIZE <u>75</u> <input type="checkbox"/> sq. ft <input checked="" type="checkbox"/> lin. ft.	<input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes or Maybe, specify one below <input type="checkbox"/> a. multi-compartment tank <input type="checkbox"/> b. _____ tanks in series <input type="checkbox"/> c. increase in tank capacity <input type="checkbox"/> d. Filter on Tank Outlet	<u>180</u> gallons per day BASED ON <input checked="" type="checkbox"/> 1. Table 501.1 (dwelling unit(s)) <input type="checkbox"/> 2. Table 501.2 (other facilities) SHOW CALCULATIONS for other facilities
SOIL DATA & DESIGN CLASS	DISPOSAL FIELD SIZING	EFFLUENT/EJECTOR PUMP	LATITUDE AND LONGITUDE
PROFILE CONDITION DESIGN <u>7, 0, 1, 3</u> at Observation Hole # <u>1</u> Depth <u>10'</u> of Most Limiting Soil Factor	<input type="checkbox"/> 1 Small—2.0 sq. ft / gpd <input checked="" type="checkbox"/> 2 Medium—2.6 sq. ft. / gpd <input checked="" type="checkbox"/> 3 Medium—Large 3.3 sq. ft. / gpd <input type="checkbox"/> 4 Large—4.1 sq. ft. / gpd <input type="checkbox"/> 5. Extra Large—5.0 sq. ft. / gpd	<input checked="" type="checkbox"/> 1. Not Required <input type="checkbox"/> 2. May Be Required <input type="checkbox"/> 3. Required Specify only for engineered systems: DOSE: _____ gallons	<input type="checkbox"/> 3 Section 503.0 (meter readings) ATTACH WATER METER DATA at center of disposal area Lat <u>44</u> ° <u>22</u> ' <u>838</u> "s Lon <u>69</u> ° <u>48</u> ' <u>101</u> "s if g.p.s. state margin of error <u>18'</u>

SITE EVALUATOR STATEMENT

I certify that on 5/7/08 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Site Evaluator Signature: [Signature] SE # 256 Date 5/8/08

Site Evaluator Name Printed: JOHN PHILBRIEK Telephone Number 547-3732 E-mail Address _____

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Town, City, Plantation

Street, Road, Subdivision

01040604

AUGUSTA

RT # 27

GLEE BALLARD

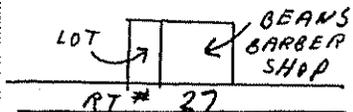
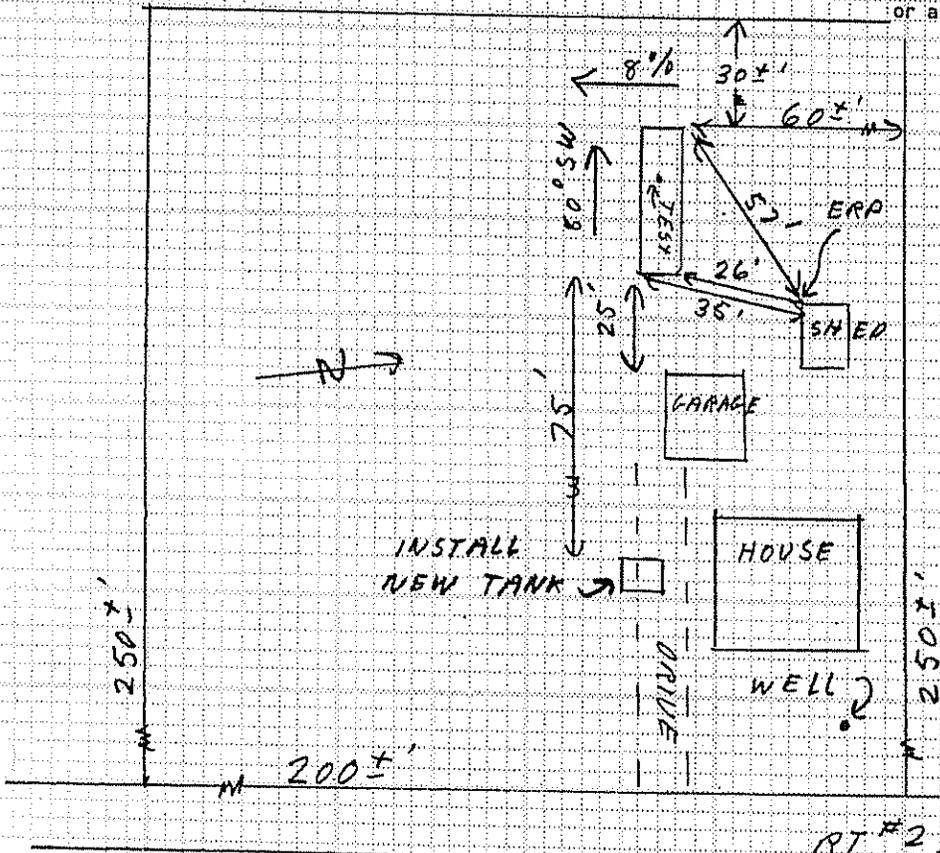
Owner's Name

SITE PLAN

Scale: 1" = 50 Ft. or as shown

SITE LOCATION PLAN

(Attach Map from Maine Atlas for New System Variance)



12 BIOFILTERS
OR INFILTRATORS
(OLD STYLE)
FLAG MARK
CORNERS

SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole 1 Test Pit Boring
0 " Depth of Organic Horizon Above Mineral Soil

Inches	Texture	Consistency	Color	Mottling
0	SANDY	FRIBLE	O-BR.	NONE
6	LOAM		YAN	
10				COMMON
15	SILTY	FIRM	GRAY	
20	CLAY			DISTINCT
30				
40				
50				

Soil Classification Profile 7 Condition D Slope 8% Limiting Factor 10 Ground Water Restr. Layer Bedrock

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

Inches	Texture	Consistency	Color	Mottling
0				
6				
10				
15				
20				
30				
40				
50				

Soil Classification Profile _____ Condition _____ Slope _____% Limiting Factor _____ Ground Water Restr. Layer Bedrock

[Signature]
Site Evaluator Signature

256
SE#

5/8/08
Date

Approved for use as
HHE 200 by Division of
Health Engineering 9/87

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
 Division of Health Engineering, Station 10
 (207) 287-5672 FAX (207) 287-4172

Town, City, Plantation

AUGUSTA

Street, Road, Subdivision

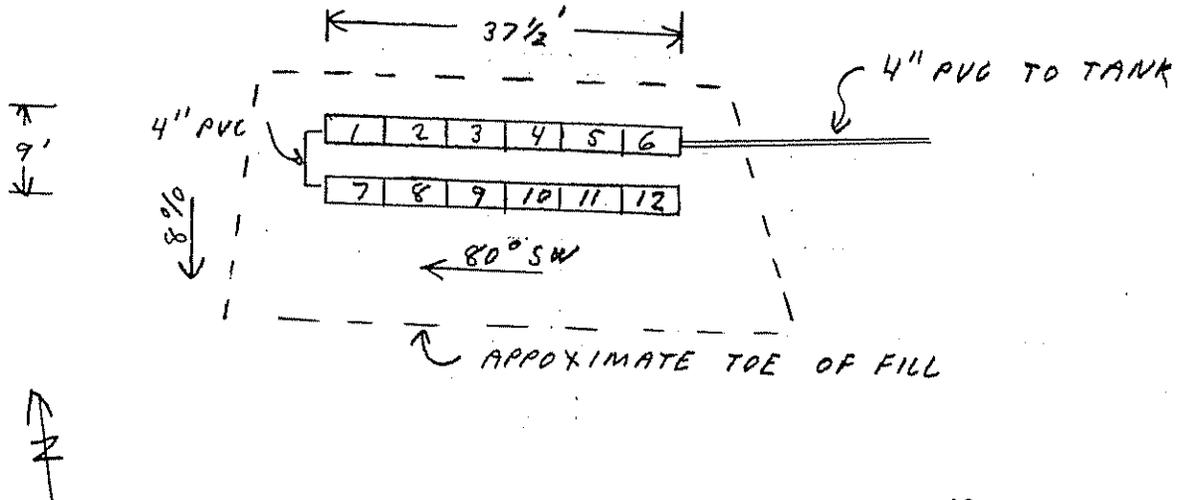
RT # 27

Owner or Applicant Name

GLEE GALLARD

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20 ft.



12 DIFFUSERS
 2 ROWS OF 6 EACH

BACKFILL REQUIREMENTS

Depth of Backfill (upslope) 36"
 Depth of Backfill (downslope) 36"
 DEPTHS AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS

Finished Grade Elevation _____"
 Top of Distribution Pipe or Proprietary Device _____"
 Bottom of Disposal Field _____"

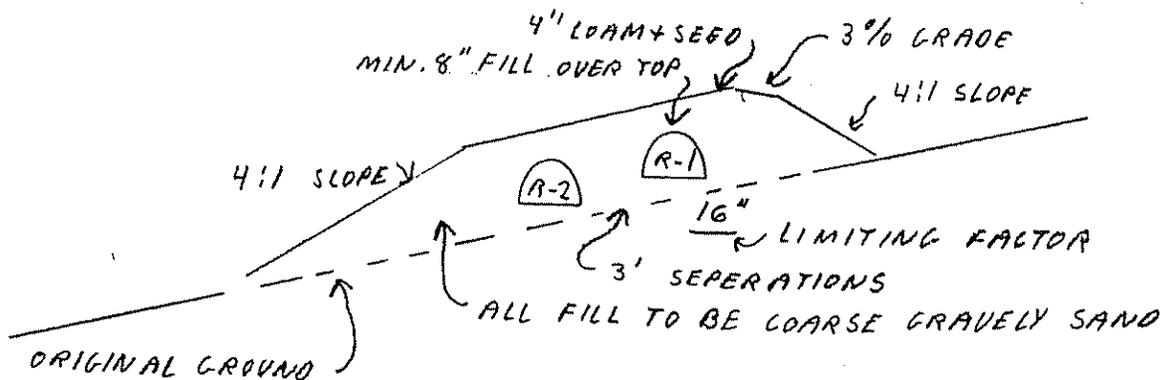
ELEVATION REFERENCE POINT

Location & Description: ERP IS IN CORNER OF SHED 26' NE OF SYSTEM, 12"
 Reference Elevation is: 0.0" or ABOVE GROUND

DISPOSAL FIELD CROSS-SECTION

R-1 -34"-46"-62"
 R-2 -42"-54"-70"

Scales:
 Vertical: 1" = 5 ft.
 Horizontal: 1" = 10 ft.



Site Evaluator Signature

256
 SE #

5/8/08
 Date