## REPLACEMENT SYSTEM VARIANCE REQUEST

7300 F6009

## 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 and 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 minor 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 ofCliff Island (Portland)
	Permit No. 108-8	Date Permit Issued 1-27-09
	Property Owner's Name:Bruce Dyer	Tel. No.:2017-766-2917
	System's Location:139 Sunset Road	
	Property Owner's Address:PO Box 12 Sunset Road	
U	(if different from above)Cliff Island, ME_04019	
	SPECIFIC INSTRUCTIONS TO THE:	
	LOCAL PLUMBING INSPECTOR (LPI):	
()	If any of the variances exceed your approval authority and/or do not meet a then you are to send this Replacement System Variance Request, along wit consideration before issuing a Permit. (See reverse side for Comments Sec SITE EVALUATOR:	th the Application, to the Department for review and approval
	If after completing the Application, you find that a variance for the proposed Variance Request with your signature on reverse side of form. PROPERTY OWNER:	I replacement system is needed, complete the Replacement
$(\mathcal{L})$	If has been determined by the Site Evaluator that a variance to the Rules is request is due to physical limitations of the site and/or soil conditions. Both restrictions and have concluded that a replacement system in total complia	the Site Evaluator and the LPI have considered the site/soil
6	PROPERTY OWNER I understand that the proposed system requires a variance to the R concerned provided they have performed their duties in a reasonal Plumbing Inspector and make any corrections required by the Rule permission for representatives of the Department to enter onto the evaluate the variance request.	ble and proper manner, and I will promptly notify the Local s. By signing the variance request form, I acknowledge property to perform such duties as may be necessary to
	evaluate the variance request. Bryce E. SIGNATURE OF OWNER	
	knowledge that it cannot be installed in compliance with the Rules. As a rest Application, and my on-site investigation, I (check and complete either a o □ a. Approve, □ disapprove) the variance request based on my authorit he shall list his reasons for denial in Comments Section below and return t OR □ b. find that one or more of the requested Variances exceeds my approv Department's approval of the variances. Note: If the LPI does not recomm	or <u>b</u> ): y to grant this variance. Note: If the LPI does not give his approval, to the applicant. al authority as LPI. I (□ recommend, □ do not recommend) the end the Department's approval, she shall state his reasons in
	Comments Section below as to why the proposed replacement system is no Comments:	ot being recommended.
	LPI SIGNATURE	
	DEC 2 2 2003 VIA POSTAL Mail	Page 1, HHE-204 Rev 08/01/05
	VIA POSTA	

Replacement System Variance Request

	ayer Disposal Field otal design flo 1000 to 2000 gpd 300 ft 200 down to 100 ft 200 down to 120 ft [f] 20 ft 200 down			to 7" to 7" to 12" Septic Tanks otal design flo 1000 to 2000 gpd 150 ft 100 down to 50 ft 100 down to 75 ft [f] 10 ft	Over 2000 gpd 150 ft 100 down to 50 ft 100 down to 75 ft [f] 10 ft [h]	REQUEST Disposal Fields To	inches inches inches Septic Tanks To
Restrictive L Bedrock (tr Less than 1000 gpd 300 ft 300 ft 100 down 0 60 ft [a] 100 down 10 ft 10 ft	ayer Disposal Field otal design flo 1000 to 2000 gpd 300 ft 200 down to 100 ft 200 down to 120 ft [f] 20 ft 200 down	w) Over 2000 gpd 300 ft 300 down to 150 ft 300 down to 180 ft [f] 25 ft [h]	Less than 1000 gpd 150 ft 100 down to 50 ft [b] 100 down to 50 ft [f] 10 ft	to 7" to 12" Septic Tanks otal design flo 1000 to 2000 gpd 150 ft 100 down to 50 ft 100 down to 75 ft [f] 10 ft	Over 2000 gpd 150 ft 100 down to 50 ft 100 down to 75 ft [f] 10 ft [h]	Fields	inches inches Septie Tanks
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		300 down	100 down				
	to 120 ft [d]	to 180 ft [d]	to 50 ft [b]	100 down to 50 ft	100 down to 50 ft		
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25 down to 12 ft	50 down to	75 down	25 down	25 down to	25 down		
25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]		
10 ft [g]	18 ft [g]	25 ft [g]	N/Ā	N/A	N/A		
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		
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	10'	5'
10 down to 5 ft [c]	18 down to 9 ft [c]	20 down to 10 ft [c]	to 4 ft [c]	15 down to 7 ft [c]	20 down to 10 ft [c]		
25 ft	25 ft	25 ft	25 ft	25 ft	25 ft		
0 2 t 2 1 1 1 2 t 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25 ft [e] 5 down o 12 ft 5 ft [e] 0 ft [g] 5 down to 7 ft 0 down o 10 ft 0 down	25 ft [e]         to 50 ft [e]           5 down         50 down to           o 12 ft         25 ft           25 ft [e]         25 ft [e]           0 ft [g]         18 ft [g]           5 down         30 down to           to 7 ft         15 ft           0 down         30 down to           to 7 ft         15 ft           0 down         18 down to           o 10 ft         15 ft           0 down         18 down to           5 ft [c]         9 ft [c]	25 ft [e]         to 50 ft [e]         to 75 ft [e]           5 down         50 down to         75 down           o 12 ft         25 ft         10 35 ft           25 ft [e]         25 ft [e]         25 ft [e]           0 ft [g]         18 ft [g]         25 ft [e]           5 down         30 down to         40 down           to 7 ft         15 ft         to 20 ft           0 down         30 down to         40 down           to 70 ft         15 ft         to 20 ft           0 down         30 down to         40 down           5 ft [c]         9 ft [c]         to 10 ft [c]	25 ft [e]         to 50 ft [e]         to 75 ft [e]         to 25 ft [e]           5 down         50 down to         75 down         25 down           o 12 ft         25 ft         to 35 ft         to 12 ft           25 ft [e]         25 ft [e]         25 ft [e]         25 ft [e]           0 ft [g]         18 ft [g]         25 ft [g]         N/A           5 down         30 down to         40 down         8 down to           to 7 ft         15 ft         to 20 ft         5 ft           0 down         30 down to         40 down         8 down to           to 70 ft         15 ft         to 20 ft         5 ft           0 down         18 down to         20 down         10 down           5 ft [c]         9 ft [c]         to 10 ft [c]         to 4 ft [c]	25 ft [e]         to 50 ft [e]         to 75 ft [e]         to 25 ft [e]         25 ft [e]           5 down         50 down to         75 down         25 down         25 down         25 down to         12 ft           5 ft [e]         25 ft         to 35 ft         to 12 ft         12 ft         12 ft           5 ft [e]         25 ft [e]           0 ft [g]         18 ft [g]         25 ft [g]         N/A         N/A           5 down         30 down to         40 down         8 down to         14 down to           to 7 ft         15 ft         to 20 ft         5 ft         7 ft           0 down         30 down to         40 down         8 down to         14 down to           o 10 ft         15 ft         to 20 ft         5 ft         7 ft           0 down         18 down to         20 down         10 down         15 down to           5 ft [c]         9 ft [c]         to 10 ft [c]         to 4 ft [c]         7 ft [c]	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

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

## 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

DATE

10-30-08

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# 2008 6009

SUBSUR	FACE W	ASTEWATER DISP					Maine Department of Human Services Division of Health Engineering, 10 SHS (207) 287-5672 Fax: (207) 287-3165		
	PROPERTY	LOCATION ////////////////////////////////////		CAUTION: PEF	RMIT REQUIRE	D - ATTACI	HIN SPACE BELOW		
City, Town,				///////////////////////////////////////	111111111	ΠΠΠ			
or Plantation Cliff Island			<i>\////</i>	///////////////////////////////////////	///////////////////////////////////////	///////////////////////////////////////	///////////////////////////////////////		
Street or Road				PORTLAND PERMIT # 10868 TOWN COPY					
Subdivision, Lot #		04019		Date Permit Issued:	2,27,09	s			
	ER/APPLICA	NT INFORMATION	1		Li Ka	」/	FEE Charged		
Name (last, first, MI)		■ Owner	1	Land Blumbi	ing Inspector Signature	<u>L</u>	.P.I.# 0171312		
Dyer, Bruce		Applicant		Local Plumb	ing inspector Signature				
Mailing Address of Owner/Applicant									
Daytime Tel. #	$C_{11TT}$		Municipal Tax Map # <u>109 B</u> Lot # <u>E -</u> 01 8						
		<u>66-29/7</u>	<u> </u>		CAUTION: INSPECTIO				
i state and acknowledg	ge that the informa derstand that any f	ANT STATEMENT tion submitted is correct to the best of alsification is reason for the Department a Permit.		I have inspected		ed above and fo	tion. (1st) date approved		
	ull-	2. Duer 1-2	B-04	- I cost [	(Ond) data approved				
	ature of Owner or				Plumbing Inspector Sign		(2nd) date approved		
TYPE OF APPL		THIS APPLICATION		INFORMATION			COMPONENTS		
			REQUIR	KES			gineered System		
1. First Time Sys		1. No Rule Variance     D 0. First Time System Variance			—	•	graywater & alt. toilet)		
2. Replacement		2. First Time System Variance arge a. Local Plumbing Inspector		val	3. Alternative Toilet, specify:				
	reibuaiu Disci	b. State & Local Plumbing Inspector			4. Non-engineered Treatment Tank (only)				
Year installed:	'	3. Replacement System Variance			<ul> <li>5. Holding Tank, gallons</li> <li>6. Non-engineered Disposal Field (only)</li> </ul>				
a. Minor Expanded Sys		a. Local Plumbing Inspecto				parated Laundry System			
b. Major Expa		b. State & Local Plumbing Inspector		8. Complete Engineered System (2000 gpd or more)					
4. Experimental	System	<ul> <li>4. Minimum Lot Size Variance</li> <li>5. Seasonal Conversion Permit</li> </ul>		9. Engineered Treatment Tank (only)					
5. Seasonal Conversion					-	ngineered Disposal Field (only) re-treatment, specify:			
SIZE OF PROPERTY		DISPOSAL SYSTEM TO SERVE 1. Single Family Dwelling Unit, No. of Bedrooms:		drooms: 3		cellaneous Co			
+-3.5 ∎SQ.F1. □2.		2. Multiple Family Dwelling, No. of Units:				E OF WATER SUPPLY			
SHORELAND	ZONING	3. Other:(specify)			1. Drilled V	Veli 🛛 2. Dug	ell 🛛 2. Dug Well 🔲 3. Private		
□ Yes II No Current Use			rent Use 🔲 Seasonal 🔳 Year Round 🗋 Undeveloped		4. Public	5. Other			
///////////////////////////////////////	///////////////////////////////////////	DESIGN DETAILS (	ŚÝŚŤE	EM LAYOUT SH	ÓWN ÓN PÁG	= 3)/////			
TREATMEN	T TANK	DISPOSAL FIELD TYPE & S	SIZE	GARBAGE DIS	POSAL UNIT		DESIGN FLOW		
□ 1. Concrete		1. Stone Bed 2. Stone Trench		🔲 1. No 📕 2. Yes 🛛 3. Maybe		070			
🛢 a. Regular		3. Proprietary Device		If Yes of Maybe, specify one below:		273 gallons per day BASED ON: ■ 1. Table 501.1 (dwelling unit(s)) □ 2. Table 501.1 (other facilities)			
b. Low Profile		a. cluster array c. Linear		a. multi-compartment tank					
2. Plastic		■ b. regular load  □ d. H-20 load		b. <u>tanks in series</u>					
3. Other:		□ 4. Other:		C. increase in tank capacity			CALCULATIONS other facilities—		
CAPACITY: 1000 GAL				d. Filter on Tank Outlet EFFLUENT/EJECTOR PUMP					
SOIL DATA & DES		DISPOSAL FIELD SIZING		EFFLOEN I/E3 1. Not Required			tion 503 0 (meter readings)		
PROFILE CONDITION DESIGN		□ 1. Smali—2.0 sq. ft. / gpd □ 2. Medium2.6 sq. ft. / gpd				3. Section 503.0 (meter readings) ATTACH WATER METER DATA			
<u>3</u> / <u>C</u> / <u>1</u> at Observation Hole # <u>TP-1</u>		□ 2. medium2.6 sq. π. / gpd ■ 3. MediumLarge 3.3 sq. f.t / gpd		2. May Be Required		ī	ATITUDE AND LONGITUDE		
		□ 4. Large-4.1 sq. ft. / gpd		3. Required			at center of disposal area		
		□ 5. Extra Large5.0 sq. ft. / gpd		Specify only for engineered systems:			<u>3 d 41 m 53.47</u> s 7 <u>0 d 06 m 17.55</u> s		
Groundwater			DOSE:		gallons if g.p.s. sta		state margin of error: 20'		
(//////////////////////////////////////		//////////////////////////////////////	ALUAT	TOR STATEMEN	NT////////////////////////////////////	///////////////////////////////////////	///////////////////////////////////////		
l certify that on _	10-8-08			-			ta 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			<u>034</u>		<u>10/30/08</u> Date				
	Richard A.	-		797-211	ч и	ick@swo	etassociates com		
		Name Printed		Telephone Number			k@sweetassociates.com Email Address		
		ons from the design should be	e confi	•			Designed with SeptiCAD HHE-200 Rev. 4/05		



