

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. 6613 Date Permit Issued 10/5/11

Property Owner's Name: MICHAEL COLLINS Tel. No.: 446-4402

System's Location: 1106 SOUTH BELFAST AVENUE

Property Owner's Address: 2031 NORTH BELFAST AVENUE

(if different from above) AUGUSTA, 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. (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, 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.

Mike Collins
SIGNATURE OF OWNER

10-05-2011
DATE

LOCAL PLUMBING INSPECTOR

I, Jay R. Sullivan, 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. (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: _____

Jay R. Sullivan
LPI SIGNATURE

10/5/11
DATE

HHE-204 Rev 6/00

Replacement System Variance Request

VARIANCE CATEGORY	LIMIT OF LPI'S APPROVAL AUTHORITY						VARIANCE REQUESTED TO	
	SOILS			SEPTIC TANKS			Disposal Fields	Septic Tanks
Soil Profile	Ground Water Table			to 7"			inches	
Soil Condition	Restrictive Layer			to 7"			inches	
from HHE-200	Bedrock			to 12"			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 system wells	300 ft	300 ft	300 ft	150 ft	150 ft	150 ft	—	—
Owner's wells	100 down to 60 ft [a]	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	60'	45'
Neighbor's wells	100 down to 60 ft [f]	200 down to 120 ft [f]	300 down to 180 ft [f]	100 down to 50 ft [f]	100 down to 75 ft [f]	100 down to 75 ft [f]	—	—
Water supply line	10 ft	20 ft	25 ft [-h]	10 ft	10 ft	10 ft [h]	—	—
Water course, major -	100 down to 60 ft [d]	200 down to 120 ft [d]	300 down to 180 ft [d]	100 down to 50 ft [b]	100 down to 50 ft	100 down to 50 ft	—	—
Water course, minor	50 down to 25 ft [e]	100 down to 50 ft [e]	150 down to 75 ft [e]	50 down to 25 ft [e]	50 down to 25 ft [e]	50 down to 25 ft [e]	—	—
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 [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	—	—
Slopes greater than 3:1	10 ft [g]	18 ft [g]	25 ft [g]	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	8'	5'
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 1402.8 for special procedures when these minimum setbacks cannot be achieved.

Vincent L. DeStefano
 SITE EVALUATOR'S SIGNATURE

8/3/11
 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 State St.
 (207) 287-5672 Fax: (207) 287-3162

PROPERTY LOCATION

City, Town, or Plantation: AUGUSTA

Street or Road: 1106 SOUTH BELFAST AVE

Subdivision, Lot #:

>> CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW <<

AUGUSTA PERMIT # 6615-TOWN COPY
 Date of Permit Issued: 10.5.11 \$ 250.00 If Double Fee Charged

Local Plumbing Inspector Signature: [Signature] L.P.I. # 850

OWNER/APPLICANT INFORMATION

Name (Last, first, MI): COLLINS, MICHAEL Owner Applicant

Mailing Address of Owner/Applicant: 2031 NORTH BELFAST AVE. AUGUSTA, ME 04330

Daytime Tel. #: 446-4402

Municipal Tax Map # 64 Lot # 17

OWNER OR APPLICANT STATEMENT

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.

Signature of Owner or Applicant: Mike Collins Date: 10-05-2011

CAUTION: INSPECTION REQUIRED

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

Local Plumbing Inspector Signature: _____ (2nd) date approved: _____

PERMIT INFORMATION

TYPE OF APPLICATION

1. First Time System

2. Replacement System
 Type replaced: BEF?
 Year installed: _____

3. Expanded System
 a. Minor Expansion
 b. Major Expansion

4. Experimental System

5. Seasonal Conversion

THIS APPLICATION REQUIRES

1. No Rule Variance

2. First Time System Variance
 a. Local Plumbing Inspector Approval
 b. State & Local Plumbing Inspector Approval

3. Replacement System Variance
 a. Local Plumbing Inspector Approval
 b. State & Local Plumbing Inspector Approval

4. Minimum Lot Size Variance

5. Seasonal Conversion Permit

DISPOSAL SYSTEM COMPONENTS

1. Complete Non-engineered System

2. Primitive System (graywater & alt. toilet)

3. Alternative Toilet, specify: _____

4. Non-engineered Treatment Tank (only)

5. Holding Tank, _____ gallons

6. Non-engineered Disposal Field (only)

7. Separated Laundry System

8. Complete Engineered System (2000 gpd or more)

9. Engineered Treatment Tank (only)

10. Engineered Disposal Field (only)

11. Pre-treatment, specify: _____

12. Miscellaneous Components

SIZE OF PROPERTY

± 7,580 SQ. FT. ACRES

DISPOSAL SYSTEM TO SERVE

1. Single Family Dwelling Unit, No. of Bedrooms: 2

2. Multiple Family Dwelling, No. of Units: _____

3. Other: _____ (specify)

TYPE OF WATER SUPPLY

1. Drilled Well 2. Dug Well 3. Private

4. Public 5. Other

SHORELAND ZONING

Yes No

Current Use Seasonal Year Round Undeveloped

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. Concrete
 a. Regular
 b. Low Profile

2. Plastic

3. Other: _____

CAPACITY: 1000 GAL. INSTALL

DISPOSAL FIELD TYPE & SIZE

1. Stone Bed 2. Stone Trench

3. Proprietary Device
 a. cluster array c. Linear
 b. regular load d. H-20 load

4. Other: _____

SIZE: 900 sq. ft. lin. ft.

GARBAGE DISPOSAL UNIT

1. No 2. Yes 3. Maybe

If Yes or Maybe, specify one below:

a. multi-compartment tank

b. _____ tanks in series

c. increase in tank capacity

d. Filter on Tank Outlet

DESIGN FLOW

180 gallons per day

BASED ON:

1. Table 501.1 (dwelling unit(s))

2. Table 501.2 (other facilities)

SHOW CALCULATIONS for other facilities

SOIL DATA & DESIGN CLASS

PROFILE COMPOSITION DESIGN: 7, 1, C, 1

at Observation Hole # 1

Depth 15"

of Most Limiting Soil Factor

DISPOSAL FIELD SIZING

1. Small--2.0 sq. ft. / gpd

2. Medium--2.6 sq. ft. / gpd

3. Medium--Large 3.3 sq. ft. / gpd

4. Large--4.1 sq. ft. / gpd

5. Extra Large--5.0 sq. ft. / gpd

EFFLUENT/EJECTOR PUMP

1. Not Required

2. May Be Required

3. Required

Specify only for engineered systems:

DOSE _____ gallons

3. Section 503.0 (meter readings)

ATTACH WATER METER DATA

LATITUDE AND LONGITUDE

at center of disposal area

Lat. 44 d 18 m 40 s

Lon. 69 d 39 m 45 s

if g.p.s., state margin of error.

SITE EVALUATOR STATEMENT

I certify that on 7/28/11 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed systems in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Site Evaluator Signature: [Signature]

Site Evaluator Name Printed: VAUGHN L. SMITH

SE #: 226 Date: 8/3/11

Telephone Number: 724-5635 E-mail Address: SOILTESTMAN@ADLCO

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

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation

AUGUSTA

Street Road Subdivision

1106 SOUTH BELFAST AVE.

Owner's Name

MICHAEL COLLINS

SITE PLAN Scale 1" = 30 Ft.
EXISTING METAL SEPTIC TANK - CRUSH OR REMOVE

SITE LOCATION PLAN Map from Maine Atlas (recommended)

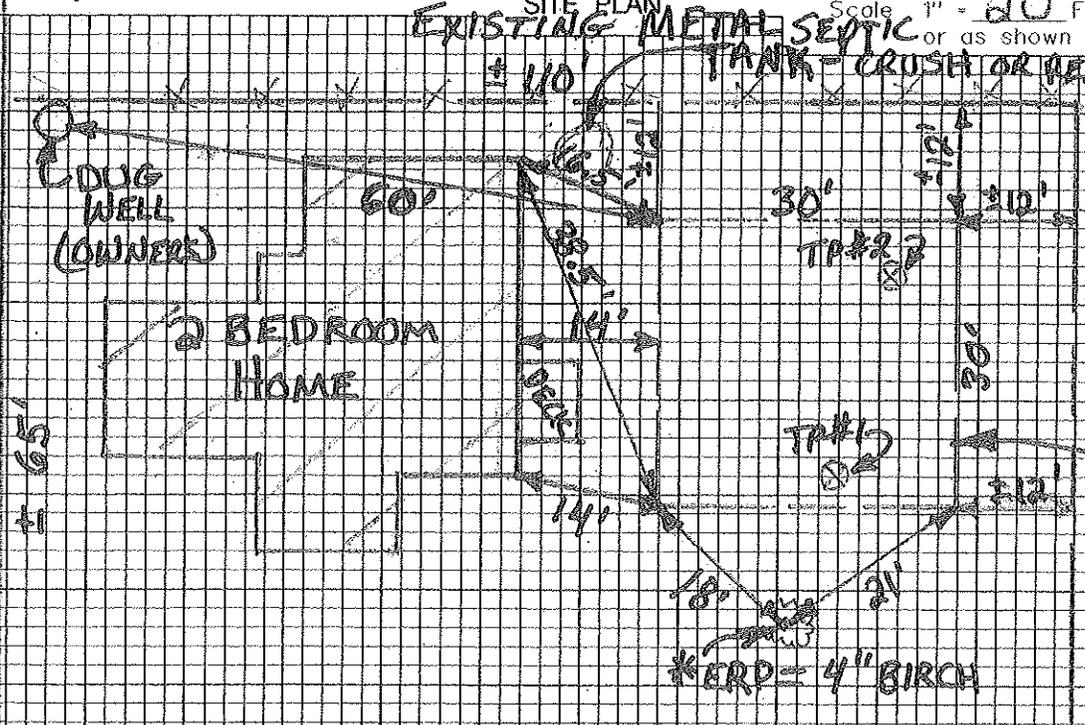
TOGUS POND

TASKER POND

0.1 Mi. * Rt. 105

PROPOSED DISPOSAL AREA (30' X 30')

SOUTH BELFAST AVENUE (RT. 105)



* REMOVE OLD SYSTEM COMPONENTS *

SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

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

Texture	Consistency	Color	Mottling
GRAVELLY SAND FILL	FRAGILE	BROWN LIGHT BROWN	NONE
FINE SANDY LOAM	FIRM	LIGHT OLIVE BROWN	FEW DISTINCT

Soil Classification: 7C Profile Condition
Slope: 1%
Limiting Factor: 15"
Ground Water: Restrictive Layer
 Bedrock
 Pit Depth

Observation Hole #2 Test Pit Boring
" Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
GRAVELLY SAND FILL	FRAGILE	BROWN LIGHT BROWN	NONE
SILT LOAM	FIRM	PALE OLIVE	FEW DISTINCT

Soil Classification: 7C Profile Condition
Slope: 1%
Limiting Factor: 18"
Ground Water: Restrictive Layer
 Bedrock
 Pit Depth

Site evaluator Signature

226 SE *

8/3/11 Date

