

M94L6

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

**PROPERTY LOCATION**

Town or Plantation: AUGUSTA

Street: TOGUS STREAM ROAD

Subdivision Lot #: \_\_\_\_\_

**PROPERTY OWNERS NAME**

Last: GALLAGHER First: DONALD

Mailing Address of Owner: 18 NEW ENGLAND RD  
AUGUSTA ME 04330

Daytime Tel. #: 623-5228

AUGUSTA 3511 TOWN COPY

Date Permit Issued: 8 9 96

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

FEE: \$ 80.00  Double Fee Charged

**Owner Statement**

I state 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/Applicant: [Signature] Date: \_\_\_\_\_

**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: \_\_\_\_\_ Date Approved: \_\_\_\_\_

## PERMIT INFORMATION

**THIS APPLICATION IS FOR:**

- First Time System OLD
- Multi-User System SYSTEM
- Replacement System VNKNOW
- Expanded System OVER
  - One-time exempted 30 YRS OLD
  - Non-exempted
- Experimental System
- Seasonal Conversion

**THIS APPLICATION REQUIRES:**

- No Rule Variance
- First Time System Variance (Municipal)
- First Time System Variance (State)
- Replacement System Variance
  - Local Plumbing Inspector approval
  - State & Local Plumbing Inspector approval
- Minimum Lot Size Variance
- Seasonal Conversion Variance

**DISPOSAL SYSTEM COMPONENT(S)**

- Non-Engineered System
- Primitive System
- Alternative Toilet  
Specify \_\_\_\_\_
- Non-Engineered Treatment Tank
- Holding Tank \_\_\_\_\_ Gallons
- Non-Engineered Disposal Area (only)
- Separated Laundry System
- Engineered System (+2000 gpd)
- Engineered Treatment Tank (only)
- Engineered Disposal Area (only)

**SIZE OF PROPERTY**

7 AC ±

**DISPOSAL SYSTEM TO SERVE:**

- Single Family Dwelling Unit
- Multiple Family Dwelling Unit  
Number of Units \_\_\_\_\_
- Other \_\_\_\_\_ SPECIFY \_\_\_\_\_

**TYPE OF WATER SUPPLY**

DRILLED WELL

## DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

**TREATMENT TANK**

- Concrete WITH LABEL  
 Regular A.1800  
 Low Profile FILTER
- Plastic

SIZE 1000 Gallons

**DISPOSAL AREA TYPE/SIZE**

- Stone Bed \_\_\_\_\_ Sq. Ft.
- Proprietary Device \_\_\_\_\_ Sq. Ft.
  - Clustered  Linear
  - Regular  H-20
- Trench 140 Lin. Ft.
- Other GEOFLOW PIPE

**GARBAGE DISPOSAL UNIT**

- No
- Yes
  - Multi-compartment tank
  - Tank in series
  - Increase in tank capacity
  - Filter on tank outlet

**CRITERIA USED FOR DESIGN FLOW**  
(Show Calculations)

3 BEDROOMS

270

$\frac{2.6}{702} \cdot 15 = 140 \text{ ft}$

GEOFLOW

6 Rows 25' LONG

DESIGN FLOW: 270  
(Gallons/Day)

**PROFILE & DESIGN CLASS**

PROFILE: 4 DESIGN: B

DEPTH TO MOST LIMITING FACTOR: 48"

**DISPOSAL AREA SIZING**

- Small 2.0
- Medium 2.60
- Medium-Large 3.30
- Large 4.10
- Extra-Large 5.00

**PUMPING**

- Not required
- May be required
- Required

DOSE \_\_\_\_\_ Gallons

## SITE EVALUATOR'S STATEMENT

7, 27, 96 (date) I completed a site evaluation on this property and state that the data reported is accurate and that the proposed system is in compliance with the Subsurface Wastewater Disposal Rules.

Signature: David L. Studer  
Site Evaluator Signature

Print Name: DAVID L. STUDER

SE #: 275

Telephone: 845-2352

Date: 7-30-96



# SURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Town, City or Plantation

Street, Road or Subdivision

Name of Owner

AUGUSTA TOGUS STREAM ROAD

DONALD GALLAGHER

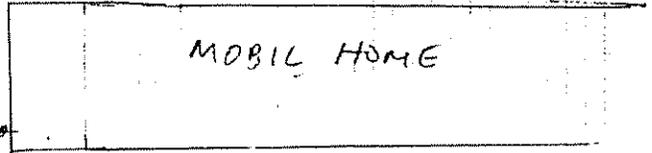
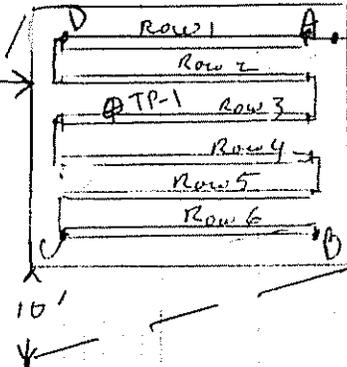
SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20' Ft.

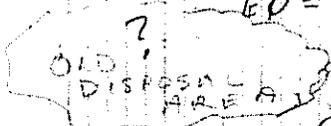
TANK TO HOME MIN 5'  
 TANK TO PIPE MIN 8'  
 HOME TO PIPE MIN 10'  
 WELL TO PIPE = 100'  
 (NEW WELL PROPOSED)



3 FOOT SHOULDER  
 FLAGGED TREE 7"



EA = 23.5 TA = 42'  
 EB = 40 TD = 18'  
 ED = 11 TC = 27.5'



ORIGINAL ELEVATIONS

A = -30"  
 B = -48"  
 C = -60"  
 D = -36"  
 TP-2 = -30"  
 TP-1 = -43"

100+ TO TOGUS STREAM

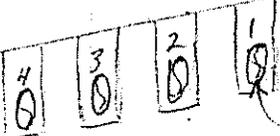
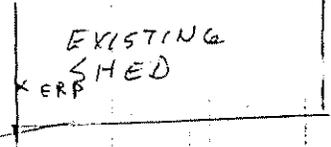
FILL REQUIREMENTS	CONSTRUCTION ELEVATIONS	ELEVATION REFERENCE POINT
Depth of Fill (Upslope) 0-6"	Finished Grade Elevation 12" OVER PIPE	Location & Description NAIL IN
Depth of Fill (Downslope) 0-12"	Top of Distribution Pipe or Proprietary Device	CORNER ABOUT 12" ABOVE
	Bottom of Disposal Area	Reference & Elevation 0" GRADE

GEO FLOW ELEVATIONS

DISPOSAL AREA CROSS SECTION THRU B → A

Scale:  
 Vertical: 1" = 5' Ft.  
 Scale: 1" = 10' Ft.

Row	TOP	BOTTOM
1	-42"	-54"
2	-46"	-58"
3	-50"	-62"
4	-54"	-66"
5	-58"	-70"
6	-62"	-74"



ORIGINAL GRADE AT 10%

PIPE IS BEDDED IN 6" OF SAND ALL AROUND PIPE (SEE INSTALLATION HANDBOOK)

David Studer  
 Site Evaluator Signature

275  
 SF #

7-30-96  
 Date

M9126

# 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 Application 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 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.

### GENERAL INFORMATION

Town of AUGUSTA

Permit No. 3511 E

Date Permit Issued 8/9/96  
MONTH/DAY/YEAR

Property Owner's Name: DONALD GALLAGHER Tel. No. 623-5228

System's Location: TOBUS STREAM ROAD

STREET

AUGUSTA ME 04330

Maine

ZIP

Property Owner's Address: 18 NEW ENGLAND ROAD

(if different from above)

STREET

AUGUSTA ME 04330

TOWN

STATE

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, they 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.

X Donald Gallagher  
PROPERTY OWNER'S SIGNATURE

8/12/96  
DATE

VARIANCE CATEGORY	VARIANCE REQUESTED	LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
SOILS Soil Profile Soil Condition <b>5B</b> from HHE-200	Ground Water Table	to 6"		inches	
	Restrictive Layer	to 6"		inches	
	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	100'	300'		
	2. Well: < 2000 gal/day				
	a. Neighbor's	50'	60'		
	b. Property Owner's	25'	50'		
	3. Water Supply Line	See note 'a'			
Waterbodies	1. Perennial	50'	60'		
	2. Intermittent	15'	20'		
	3. Manmade drainage ditch	10'	15'		
Downhill Slope	Greater than 3:1 (33%)	5"	10"		
Buildings	1. With Basement	5'	10'		
	2. Without Basement	5'	10'	5	10
Property Line		4'	5'		

**OTHER**

1. Fill extension Grade—to 3:1
2. ON DOWN SLOPE, IF NECESSARY
- 3.

Footnotes:

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

David Studer \_\_\_\_\_ 7-30-96  
APPLICANT'S SIGNATURE DATE

**LPI STATEMENT**

I, Mary R. Fuller, 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.
- 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, he shall state his reasons in Comments Section below as to why the proposed replacement system is not being recommended.

Comments: \_\_\_\_\_

Mary R. Fuller \_\_\_\_\_ 8/9/96  
LPI'S SIGNATURE 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.