

REPLACEMENT SYSTEM VARIANCE REQUEST

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. 1903)
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 <u>Augusta</u>
Permit No. <u>3963</u>		Date Permit Issued <u>6/19/98</u>
Property Owner's Name: <u>Bernard & Gail Deeyfus</u>		Tel. No.: <u>908-534-5138</u>
System's Location: <u>81 Bond Brook Rd.</u>		
Property Owner's Address: <u>110 Kosciuszko Rd.</u>		
(if different from above) <u>Whitehouse Station, N.J. 08889</u>		

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.

Donald A. Tafloanne
SIGNATURE OF OWNER

6/19/98
DATE

agent for Bernard & Gail Deeyfus

LOCAL PLUMBING INSPECTOR

I, George H. Baumgart, 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, she shall state his reasons in Comments Section below as to why the proposed replacement system is not being recommended.

Comments: _____

George H. Baumgart
LPI SIGNATURE

6/19/98
DATE

Replacement System Variance Request

VARIANCE CATEGORY	VARIANCE REQUESTED		LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
SOILS						
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	Less Than 1000 gpd	1000 to 2000 gpd	To	To
Wells with water usage of 2000 or more gpd	300 ^a ft	300 ^a ft	100 ^a ft	100 ^a ft		
Owner's wells	100 down to 50 ft	200 down to 100 ft	100 ^b down to 50 ft	100 down to 50 ft		
Neighbor's wells	100 ^b down to 60 ft	200 ^b down to 120 ft	100 ^b down to 50 ft	100 ^b down to 75 ft		
Water supply line	10 ft ^d	20 ft ^d	10 ft ^d	10 ft ^d		
Water course, major - for replacements only, see Table 400.4 for exempted expansions	100 down to 60 ft	200 down to 120 ft	100 down to 50 ft	100 down to 50 ft		50'
Water course, minor	50 down to 25 ft	100 down to 50 ft	50 down to 25 ft	50 down to 25 ft		
Drainage ditches	25 down to 12 ft	50 down to 25 ft	25 down to 12 ft	25 down to 12 ft		
Coastal wetlands, special freshwater wetlands, (great ponds, rivers, streams (edge of fill extension)	25 ft ^d	25 ft ^d	25 ft ^d	25 ft ^d		
Slopes greater than 3:1	10 ft	18 ft	N/A	N/A		
No full basement [e.g. slab, frost wall, columns]	15 down to 7 ft	30 down to 15 ft	8 down to 5 ft	14 down to 7 ft		
Full basement [below grade foundation]	20 down to 10 ft	30 down to 15 ft	8 down to 5 ft	14 down to 7 ft		
Property lines	10 down to 5 ^c ft	18 ft down to 9 ^c ft	10 ft down to 4 ^c ft	15 ft down to 7 ^c ft		
Burial sites or graveyards, measured from the down toe of the fill extension	25 ft	25 ft	25 ft	25 ft		

OTHER

1. Fill extension Grade - to 3:1 *ONLY AS NEEDED TO AVOID STEEP SLOPE*
- 2.
- 3.

Footnotes:

- a. This setback distance cannot be reduced by the LPI, but may be considered for reduction by State variance.
- b. Written Permission from the owner of a well is required when a replacement system will be located less than 100 (or 200 ft. for 1000-2000 gpd) feet and 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 or property line.
- d. Natural Resources Protection Act requires a 25 foot setback on slopes with less than 20% from the edge of disturbance and 100 feet on slopes greater than 20% except for the repair or installation of a replacement system when no practical alternative exists.

SITE EVALUATOR'S SIGNATURE

3-5-98

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

Map 9 Lot 51

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**

Division Lot #: **BOND BROOK RD.**

PROPERTY OWNER'S NAME

Last: **DREYFUS** First: **BERNARD & GAIL**

Applicant's Name: _____

Mailing Address of Owner: **110 KOSCIUSZO RD.
WHITEHOUSE STATION, N.J. 08889**

Daytime Tel. #: **908-534-5138**

AUGUSTA 3963 TOWN COPY

Date Permit Issued: **6/19/98**

Local Plumbing Inspector Signature: *[Signature]*

FEE: **\$1200.00** If Double Fee Charged

L.P.I. #: **230**

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 permits

Signature of Owner/Applicant: *[Signature]* Date: **6/19/98**

Caution: Inspection Required

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

Local Plumbing Inspector Signature: *[Signature]* Date Approved: **7/2/98**

PERMIT INFORMATION

TYPE OF APPLICATION:

1. First Time System

2. Replacement System
Type Replaced: Trench
Year Installed: 19 50's

3. Expanded System
 a. one time exempted
 b. non exempted

4. Experimental System

5. Seasonal Conversion

THIS APPLICATION REQUIRES

1. No Rule Variance

2. First Time 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 Approval

DISPOSAL SYSTEM COMPONENTS

1. Non-engineered System

2. Primitive System (graywater & Alt Toilet)

3. Alternative Toilet

4. Non-engineered Treatment Tank

5. Holding Tank _____ gallons

6. Non-engineered Disposal Area (only)

7. Separated Laundry System

8. Engineered System (+2000 Gpd)

9. Engineered Treatment Tank (only)

10. Engineered Disposal Area (only)

11. Pretreatment

SIZE OF PROPERTY

.9 +/- ACRE

DISPOSAL SYSTEM TO SERVE

1. Single Family Dwelling Unit

2. Multiple Family Dwelling Unit

Units: _____

3. Other

SHORELAND ZONING

Yes No

TYPE OF WATER SUPPLY

TOWN/CITY WATER

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. Concrete
 A. Regular
 B. Low Profile (see Note)

2. Plastic

3. Other _____

SIZE: **1,000** GALLONS

DISPOSAL AREA TYPE/ SIZE

1. Bed _____ sq. Ft.

2. Proprietary Device **1320** sq. Ft.
 Cluster Linear
 Regular H-20

3. Trench

4. Other _____

GARBAGE DISPOSAL UNIT

1. No

2. Yes
 Multi-compartment Tank
 Tank In Series
 Increase Tank Capacity
 Filter On Tank Outlet

CRITERIA USED FOR DESIGN FLOW
(Show Calculations)

3 BEDROOM

PROFILE & DESIGN CLASS

PROFILE	DESIGN
8	C

DEPTH TO MOST LIMITING FACTOR: **24"**

DISPOSAL AREA SIZING

1. Small - 2.00

2. Medium - 2.60

3. Medium-Large - 3.30

4. Large - 4.10

5. Extra-Large - 5.20

PUMPING

1. Not Required

2. May Be Required

3. Required

DOSE: **75** Gallons

DESIGN FLOW: **270 GPD**
(Gallons / Day)

SITE EVALUATOR'S STATEMENT

On **3/03/98** (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

Site Evaluator's Signature: *[Signature]*

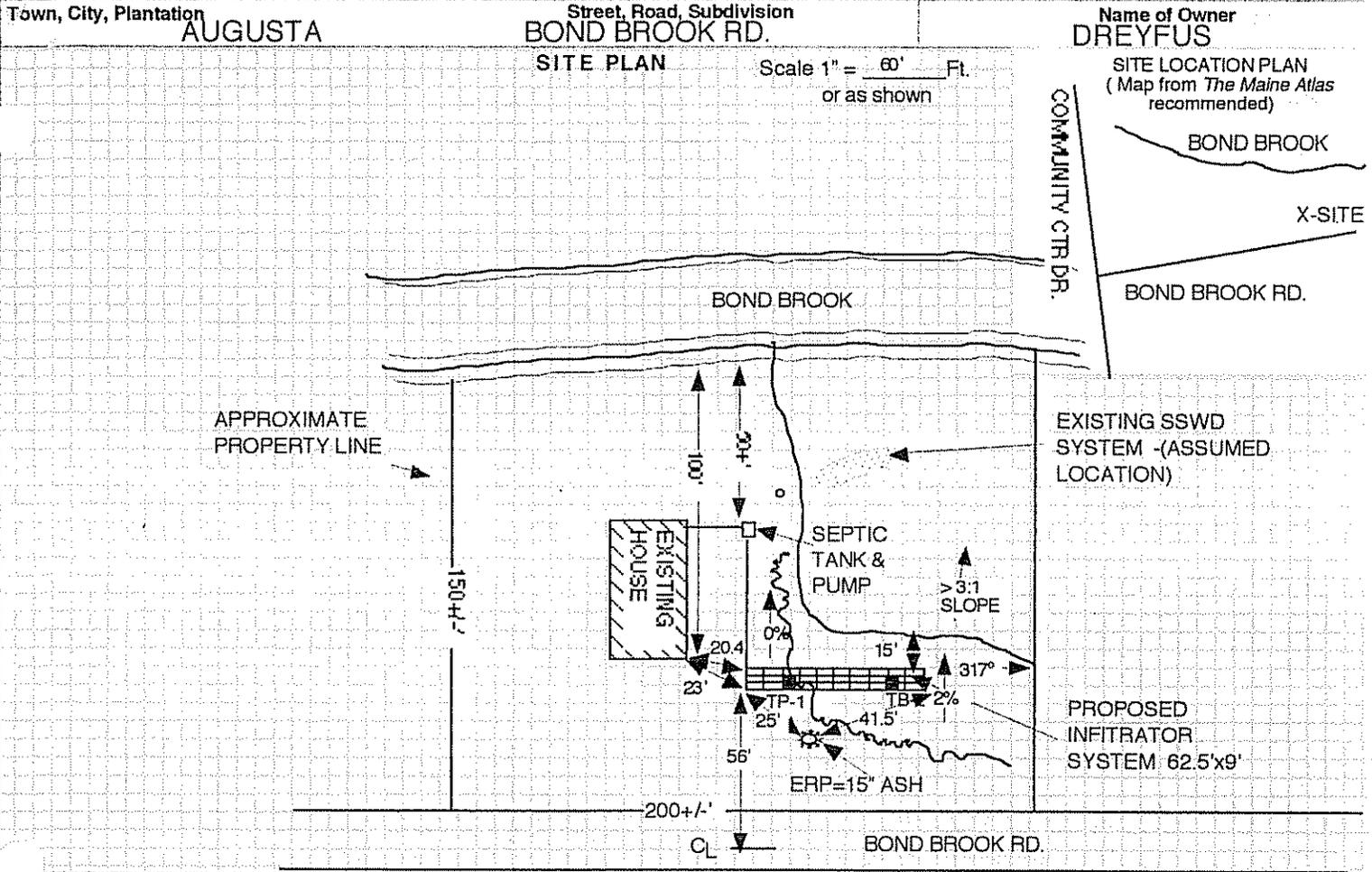
John Archard
Site Evaluator's Name Printed

181
SE #

(207) 293-2674
Telephone

3/05/98
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION



SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole TP-1 Test Pit Boring

N/A " Depth of Organic Horizon above Mineral Soil

DEPTH BELOW MINERAL SURFACE (inches)	Texture	Consistency	Color	Mottling
0	LOAM TO SILT	FRIABLE	BROWN	NONE EVIDENT
6	LOAM FILL			
10				
15				
20		FIRM	OLIVE BROWN	FEW TO COMMON DISTINCT
30	SILTY CLAY LOAM		OLIVE	
40				
50				

Soil Profile 8 CLASS C Slope 0 % Limiting Factor 20 Ground Water Restrictive Layer Bedrock

Observation Hole 2 Test Pit Boring

2 " Depth of Organic Horizon above Mineral Soil

DEPTH BELOW MINERAL SURFACE (inches)	Texture	Consistency	Color	Mottling
0	FINE SANDY LOAM	FRIABLE	BROWN	NONE EVIDENT
6	LOAM FILL			
10				
15			OLIVE BROWN	
20	MEDIUM SANDS			
30	SILTY CLAY LOAM	FIRM		FEW FAINT TO COMMON DISTINCT
40			OLIVE	
50				

Soil Profile 7/B CLASS C Slope 2 % Limiting Factor 24 Ground Water Restrictive Layer Bedrock

John H. [Signature]
 Site Evaluator Signature

181 SE#

3/07/98 Date

GENERAL NOTES

1. Site evaluations conform to the criteria of the "State of Maine Subsurface Waste Water Disposal Rules-144A CMR 241" latest revision. Other environmental concerns are not evaluated and may require additional professional opinions. the delineation of wetlands, when required, is to be performed by competent consultants experienced in such practice and may affect the suitability of particular sites.
2. All construction to conform to the specifications in the "State of Maine Subsurface Waste Water Disposal Rules-144A CMR 241" latest revision.
3. Wells & structures must maintain setbacks from the disposal system as allowed or required in Chapter 4 "State of Maine Subsurface Waste Water Disposal Rules-144A CMR 241" latest revision.
4. Property lines as shown are as provided by owner/owner's agent no guarantee of accuracy is implied. Actual property lines must be confirmed by survey.
5. A septic tank filter is required when installing a mechanical garbage disposal or solids handling grinder pump or when otherwise specified.
6. Septic tanks and pump stations, when required, shall be installed watertight to prevent the infiltration of ground or surface water. Pumps shall be sized for actual installed T.D.H.. For uninterrupted service during repair duplex pumps are recommended.
7. Force mains and pressure lines shall be flushed of foreign material and pumps checked for proper on/off cycle before being put in service.
8. Applicability of the design must be reevaluated when the location of structures are substantially different than shown on the site plan, or when other appurtenances(ie: swimming pools) are added.
9. Systems put into service prior to establishing proper cover shall be provided with adequate erosion controls.
10. Provide low profile tanks when determined as needed in the field. All tanks may be field located and meet the setback requirements of Chapt. 4 "State of Maine Subsurface Waste Water Disposal Rules-144A CMR 241" latest revision.
11. All components subject to freezing must be adequately insulated.
12. The LPI shall inform the owner and designer of any local ordinances exceeding the "State of Maine Subsurface Waste Water Disposal Rules-144A CMR 241" prior to issuing a permit so that necessary amendments can be made to the design.
13. Systems must be maintained as outlined in "Septic Systems-How They Work & How to Keep Them Working"-MDEP
14. All designs are subject to Local, State, or Federal review. Designers liability shall be limited to required revisions. In no case shall liability exceed designers fee.

The owner/applicants signature on page one acknowledges their understanding of the "General Notes"