



John Elias Baldacci
Governor

STATE OF MAINE
DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF ENVIRONMENTAL HEALTH
286 WATER STREET
AUGUSTA, MAINE
04333-0011

John R. Nicholas
Commissioner

October 11, 2005

Infiltrator Systems, Inc.
Attn.: Guy Dalton, P.E.
47 Waterman Drive
East Longmeadow, MA 01028

Subject: Size Rating, Infiltrator Quick 4

Dear Mr. Dalton:

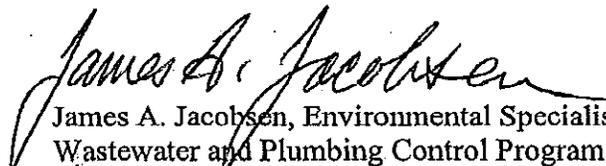
This office has received several inquiries from installers and designers concerning the use of Infiltrator Quick 4 chambers when conventional Infiltrator chambers are specified on in the designs.

It is the determination of the Division of Environmental Health that Infiltrator Quick 4 chambers are an acceptable substitute for conventional Infiltrator chambers, provided that the overall size and capacity of the disposal area is not diminished below the design.

Further, Infiltrator Quick 4 chambers are an acceptable substitute for other plastic chambers, provided that the overall size and capacity of the disposal area is not diminished below the design, and provided that the design is not limited to one brand of chamber.

If you have any further questions, please feel free to contact me at (207) 287-5695.

Sincerely


James A. Jacobsen, Environmental Specialist IV
Wastewater and Plumbing Control Program
Division of Health Engineering
e-mail: james.jacobsen@maine.gov

/jaj

xc: File
Bruce Johnson via e-mail



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 DEPARTMENT OF HEALTH AND HUMAN SERVICES
 DIVISION OF HEALTH ENGINEERING
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 04333-0011

John Elias Baldacci
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July 26, 2005

John R. Nicholas
 Commissioner

Infiltrator Systems, Inc.
 Attn.: Brian Parker, Environmental Scientist
 6 Business Park Road
 P. O. Box 768
 Old Saybrook, CT 06475

Subject: Product Registration, Infiltrator Quick 4 High Capacity and Standard, Quick 4 Equalizer 24, and Quick 4 Equalizer 36 Chambers

Dear Mr. Parker:

The Division of Health Engineering has completed a review of a registration application for your company's products. This information was submitted pursuant to Section 1802 of the Maine State Plumbing Code, Subsurface Wastewater Disposal Rules (Rules), for code registration, for use in Maine.

Product Description

The Infiltrator Quick 4 chambers consist of conventional Infiltrator plastic chambers, except that all Quick 4 chambers are four feet long, rather than 6.3 or 8.3 feet long, depending upon original model. A new design for the end caps results in a semi-circular footprint with a corresponding increase in usable bottom and sidewall areas and storage volume.

Claim

According to the information you provided, the Infiltrator Quick 4 chambers have the following effective infiltrative surface areas:

Product	Without End Cap, Trench	Without End Cap, Cluster	With End Cap (per pair)
Quick 4 Standard Chamber	7.0 square feet/linear foot	5.8 square feet/linear foot	9.2 square feet
Quick 4 High Capacity Chamber	8.0 square feet/linear foot	5.8 square feet/linear foot	12.0 square feet
Quick 4 Equalizer 24	4.0 square feet/linear foot	4.0 square feet/linear foot	4.6 square feet
Quick 4 Equalizer 36	5.2 square feet/linear foot	3.7 square feet/linear foot	6.4 square feet

Determination

On the basis of the information, the Division has determined that the Infiltrator Quick 4 chambers are acceptable for use in the State of Maine, provided that they are installed, operated, and maintained in conformance with the manufacturer's directions and the sizing table above.

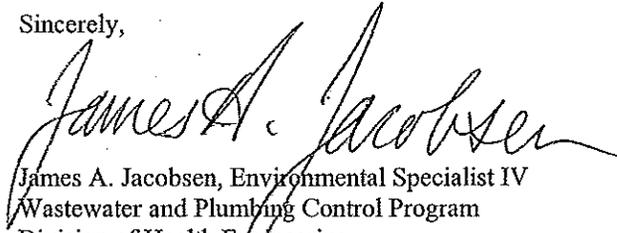
In the event that the products fail to perform as claimed by the applicant, use of the new or experimental technology in Maine, including all installations approved pursuant to Section 1801.7 of the Rules, shall cease. Use of the new or experimental technology shall not resume until the applicant and the Division have reached a mutually acceptable agreement for resolving the failure to perform as claimed.

Because installation and owner maintenance has a significant effect on the working order of onsite sewage disposal systems, including their components, the Division makes no representation or guarantee as to the efficiency and/or operation of Infiltrator Quick 4 chambers. Further, registration of this product for use in the State of Maine does not represent Division preference or recommendation for this product over similar products.

Page 2, Letter to Infiltrator Systems, Inc.

This letter supersedes the letter dated July 7, 2005 which erroneously referenced liner foot rating for the end caps. If you have any questions please feel free to contact me at (207) 287-5695.

Sincerely,

A handwritten signature in black ink that reads "James A. Jacobsen". The signature is written in a cursive style with a large, sweeping initial "J".

James A. Jacobsen, Environmental Specialist IV
Wastewater and Plumbing Control Program
Division of Health Engineering
e-mail: james.jacobsen@state.me.us

/jaj

xc: Product File



**Maine Department of Health and Human Services
Maine Center for Disease Control and Prevention**

Fax

To: CLAUDE ROUNDS From: RUSSELL MARTIN
Fax: 207 743-6718 Phone: 207 287-4735
Date: AUG 21, 2007 Pages: (including cover sheet) 3
Re: INFILTRATION QUICK-4 CHAMISELS

Urgent

As Requested

For Your Information

Please Reply

APPROVAL LETTER

Confidentiality Notice

This fax message is intended for the exclusive use of the individual or entity identified above. It may contain information which is privileged and/or confidential under both state and federal law. If you are not notified otherwise, any further dissemination, copy or disclosure of the communication is strictly prohibited. If you have received this transmittal in error, please notify us immediately at (207) 287-8016 and return the original transmission to us by mail at 11 SHS, 286 Water Street, 8th Floor, Augusta, ME 04333-0011 without making a copy. Your cooperation in protecting confidential information is greatly appreciated.



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 DEPARTMENT OF HEALTH AND HUMAN SERVICES
 DIVISION OF HEALTH ENGINEERING
 286 WATER STREET
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John Elias Baldacci
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July 7, 2005

John R. Nicholas
 Commissioner

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 Attn.: Brian Parker, Environmental Scientist
 6 Business Park Road
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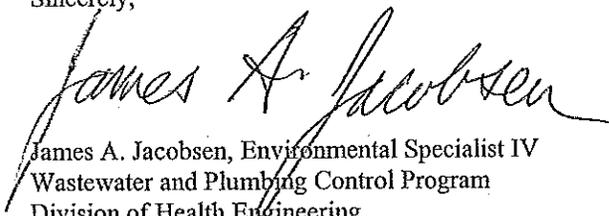
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Page 2, Letter to Infiltrator Systems, Inc.

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Sincerely,



James A. Jacobsen, Environmental Specialist IV
Wastewater and Plumbing Control Program
Division of Health Engineering
e-mail: james.jacobsen@state.me.us

/jaj

xc: Product File



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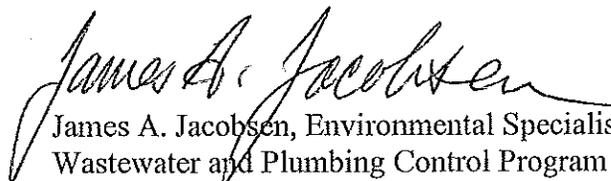
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Wastewater and Plumbing Control Program
Division of Health Engineering
e-mail: james.jacobsen@maine.gov

/jaj

xc: File
Bruce Johnson via e-mail



John Elias Baldacci
Governor

Maine Department of Health and Human Services

Maine Center for Disease Control and Prevention
286 Water Street
11 State House Station
Augusta, ME 04333-0011

John R. Nicholas
Commissioner

Dora Anne Mills, MD, MPH
Public Health Director
Maine CDC Director

January 17, 2006

Mr. Albert Frick, LSE
Albert Frick Associates, Inc.
95A County Road
Gorham, ME 04038

FILE COPY

Subject: Substitution of Proprietary Devices

Dear Mr. Frick:

Our letter of October 11, 2005 relative to the Infiltrator Quick 4 plastic chamber applies to that product only and is in no way meant to recognize the substitution of other products. Each proprietary device manufacturer that wishes to have their product formally recognized for substitution with another proprietary device must ask for that recognition and present a convincing argument.

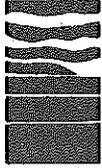
Section **B-109.2.b** reads: *“Plastic Chambers – Substitution of one approved device for another is permitted as noted in Table B-109-2. When the trench configuration is utilized, the number of trenches specified for the original design shall be maintained with the substituted devices. When a device of a different length than the originally specified device is substituted, the minimum square footage specified on the original HHE-200 form shall govern.”* We intend to add the Infiltrator Quick 4 product to Table B-109-2 as soon as practical; in the meantime our letters of July 26, 2005 and October 11, 2005 serve as recognition of the acceptability of the Quick 4 product.

Our analysis suggests that due to the need to round up the number of proprietary devices in the original design, most substitutions will result in a slightly shorter row length with the Quick 4 product. In those instances where the row length is slightly greater the responsibility to insure that no rule setback distances are violated rests with the system installer. Site evaluators who are uncomfortable with the substitution of proprietary devices should provide a notation on the HHE-200 Form specifying the degree and type of substitution allowed without the need for a re-design.

Sincerely,

Russell G. Martin, PE, F.NSPE
Director, Subsurface Wastewater Program
Division of Environmental Health
286 Water Street, 3rd Floor
Augusta, ME 04333-0011

CC Guy Dalton, PE - Infiltrator Systems
Alan Burnell, LSE – Maine Association of Site Evaluators



Albert Frick Associates, Inc.

Soil Scientists & Site Evaluators

95A County Road Gorham, Maine 04038
(207) 839-5563 FAX (207) 839-5564

Albert Frick, SS, SE
James Logan, SS, SE
Matthew Logan, SE
Brady Frick, SE
Bryan Jordan, SE
William O'Connor, SE

RECEIVED

December 1, 2005

DEC 06 2005

Russell Martin
Manager
Wastewater and Plumbing Control Program
Division of Health Engineering
11 State House Station
Augusta, ME 04333

**WASTEWATER &
PLUMBING PROGRAM**

RE: Division of Health Engineering determination of substitute proprietary devices to Site Evaluator's designed systems

Dear Russ:

I received a copy of the Division of Health Engineering's letter of October 11, 2005 that states that "*Infiltrator Quick 4 chambers can be substituted for conventional Infiltrators and other plastic chambers provided the overall size and capacity of the disposal area is not diminished below the design, and provided that the design is not limited to one brand of chambers*"

I have a few specific questions pertaining to this determination from the perspective of practicing Site Evaluators and our inherent responsibility and liability with certification of the Application for Subsurface Wastewater Disposal (HHE-200 form).

The substituted product (e.g. Quick 4, and all others to follow, for potential voluntary substitution) do not have identical size, shape to the product it is replacing (i.e. 3' by 6.25' Infiltrator, Biodifusser, Envirochambers) and the substitution will cause for a different footprint of the disposal area.

Who is specifically responsible, in the opinion of the Division of Health Engineering (aka Division of Environmental Health) for the potential variations for setback reductions caused by the substitution?

FOR EXAMPLE:

Consider a septic design that uses a specific proprietary device with its specific size and shape to comply with required setback standard, and is certified by the Site Evaluator to comply with the standards. A SUBSTITUTION is made, based on the State's approval letter, to utilize a Quick 4 or other product that is not the same shape and size and consequently can not be constructed in

the identical 'footprint' designed. The use and installation of the dissimilar product causes an infraction to a specific Rule setback standard. (Examples: 1. causing a reduced setback to an abutting well, 2. less than the required distance to a property line or building which consequently causes the need for a well setback release, a variance request to a setback requirement, or a higher level of a setback variance request.)

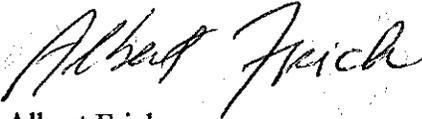
1. In the opinion of the Division, which is charged with overseeing and administering the Rules, who would be held responsible for the violation of the setback requirements caused by the substitution?

2. Is the Division declaring that "an approximate fit is acceptable" in the SUBSTITUTION and if so, what is the allowed tolerance of variation should it occur?

Clarification of these issues will help guide me, and potentially other practicing Site Evaluators, to determine whether restricting a design to the prescribed proprietary unit would be necessary to avoid variation issues caused by allowed SUBSTITUTION.

Thank you.

Respectfully,



Albert Frick

Enc.

cc. Maine Association of Site Evaluators, Technical Review Committee

