

John E. Baldacci, Governor

Brenda M. Harvey, Commissioner

Department of Health and Human Services
Maine Center for Disease Control and Prevention
286 Water Street
11 State House Station
Augusta, Maine 04333-0011
Tel: (207) 287-8016
Fax: (207) 287-9058; TTY: 1-800-606-0215

January 5, 2009

SludgeHammer Group Ltd.
Attn.: Daniel E. Wickham, President
336 South Division Road
Petosky, MI 49770

Subject: Product Registration, SludgeHammer S-46 and SludgeHammer S-86

Dear Mr. Wickham:

The Division of Environmental Health has completed a review of a registration application for your company's product, the SludgeHammer. 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. The SludgeHammer S-46 and SludgeHammer S-86 consist of re-branded Piranaco Pirana advanced treatment units, which received a revised approval for general use in Maine on 03/07/03. It is our understanding that the Piranaco Pirana brand no longer exists.

Product Description

The SludgeHammer consists of a 12 inch diameter plastic tube within which is a four inch diameter plastic tube. The space between the tubes is filled with plates of cusped plastic sheeting. A remote air pump feeds air to a proprietary diffuser beneath the cusped plates. A biological film is generated, which adheres to the cusped plates and provides treatment of the water-borne contaminants. The SludgeHammer is inserted into conventional septic tanks, and a proprietary inoculants is introduced at regular intervals.

Claim

According to the information in our files, the SludgeHammer reduces nitrate and BOD₅ levels to less than 100 mg/l (often, to less than 50 mg/l); reduces suspended solids in the effluent; and rejuvenates biologically clogged disposal areas by application of low-nutrient, high dissolved oxygen effluent. The levels of total nitrogen are reduced on the order of 60 percent.

Determination

On the basis of the foregoing, the Division has determined that the SludgeHammer S-46 and SludgeHammer S-86 are acceptable for general use in the State of Maine, provided that they are installed, operated, and maintained in conformance with the manufacturer's directions.

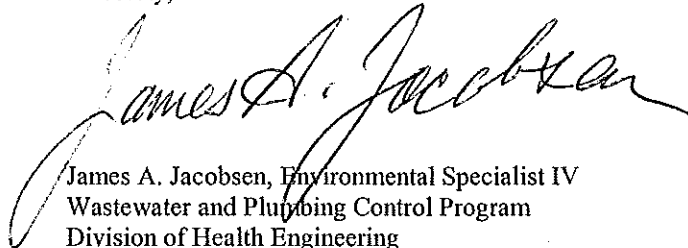
In the event that the products fails to perform as claimed, use of the products in Maine, including all installations approved pursuant to Chapter 18 of the Rules, shall cease. Use of the products shall not resume until the applicant and the Division have reached a mutually acceptable agreement for resolving 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 SludgeHammer. 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.

Please note that this approval does not authorize use of the product in an onsite sewage disposal system which has experienced a hydraulic malfunction, i.e., a "break-out" and overland run off. Such malfunctions are imminent public health hazards and must be replaced in an expeditious manner under provisions of the Rules.

You may distribute copies of this letter as appropriate. 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: SludgeHammer File

Jacobsen, James

From: Dan Wickham [dwickham@sludgehammer.net]
Sent: Friday, December 26, 2008 1:56 PM
To: Jacobsen, James
Subject: RE: SludgeHammer/Pirana
Follow Up Flag: Follow up
Flag Status: Red

Jim,

I have been busy over the winter and just came across this email. I cannot remember if I responded. If not here is our new company name and address. It is:

SludgeHammer Group Ltd.
336 S. Division Rd.
Petoskey, MI 49770
Phone: 231-348-5866

The only improvements are the inclusion of two models.

S-46 - Single family homes up to 4 bedrooms.
S-86 - Larger homes and commercial installations.

I am not sure if that information is pertinent, but there it is.

If you could reissue the permit in our new name we would appreciate it.

Thanks,
Dan

From: Jacobsen, James [mailto:James.Jacobsen@maine.gov]
Sent: Thursday, November 06, 2008 5:12 AM
To: Dan Wickham
Subject: RE: SludgeHammer/Pirana

Mr. Wickham,

This letter is sufficient for me to re-issue the registration under "SludgeHammer", except for a mailing address. If there are improvements you would like to incorporate, just send me the specifications and it will be easy enough to do.

Let me know if there is anything else we can do for you.

Jim Jacobsen

James A. Jacobsen, Environmental Specialist IV
Department of Health and Human Services
Division of Environmental Health
Subsurface Wastewater Program
286 Water Street, Augusta, ME 04333
Phone: 207-287-5695 Fax: 207-287-3165

<http://www.maine.gov/dhhs/eng/plumb>

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From: Dan Wickham [mailto:dwickham@sludgehammer.net]

Sent: Wednesday, November 05, 2008 5:41 PM

To: Jacobsen, James

Subject: SludgeHammer/Pirana

Jim,

Several years ago we got permits from you for my earlier Pirana technology. We haven't marketed much in Maine over the last few years but would like to re-establish our presence there. In the interim my earlier co-patent holder, Jerry Fife, and I parted company and for awhile both of us were marketing the Pirana independently. That was too confusing in the market place so we decided to rebrand the technology. We are now calling it the SludgeHammer and are operating under the new corporate name SludgeHammer Group Ltd. of Petoskey, Michigan, where we manufacture the SludgeHammer. Beyond several improvements that make the device more efficient it still operates exactly like the Pirana. What would we need to do to get our state approval changed to reflect the name change? I am not attempting to negate the earlier Pirana approval but would like to add our product to Pirana, White Knight, and possibly Remediator. In case you were not aware, Jerry Fife sold his rights to Infiltrator Corporation and they are marketing the device under the Remediator name. Our company has no connection or participation in that license.

Let me know how to proceed.

Thanks,
Dan Wickham



Maine Department of Health and Human Services

Maine Center for Disease Control and Prevention
286 Water Street, 3rd Floor
11 State House Station
Augusta, ME 04333-0011

Brenda M. Harvey,
Commissioner

John Elias Baldacci
Governor

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

June 28, 2007

SludgeHammer Group Ltd.
Attn.: Daniel E. Wickham, President
336 South Division Road
Petosky, MI 49770

Subject: Product Registration, SludgeHammer

Dear Mr. Wickham:

The Division of Environmental Health has completed a review of a registration application for your company's product, the SludgeHammer. 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. The SludgeHammer consists of re-branded Piranaco Pirana advanced treatment units, which received a revised approval for general use in Maine on 03/07/03. It is our understanding that the Piranaco Pirana brand no longer exists.

Product Description

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Claim

According to the information in our files, the SludgeHammer reduces nitrate and BOD5 levels to less than 100 Mg/l (often, to less than 50 Mg/l); reduces suspended solids in the effluent; and rejuvenates biologically clogged disposal areas by application of low-nutrient, high dissolved oxygen effluent. The levels of total nitrogen are reduced on the order of 60 percent.

Determination

On the basis of the foregoing, the Division has determined that the SludgeHammer is acceptable for general use in the State of Maine, provided that it is installed, operated, and maintained in conformance with the manufacturer's directions.

In the event that the product fails to perform as claimed, use of the product in Maine, including all installations approved pursuant to Chapter 18 of the Rules, shall cease. Use of the product 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 SludgeHammer. 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.

Please note that this approval does not authorize use of the product in an onsite sewage disposal system which has experienced a hydraulic malfunction, i.e., a "break-out" and overland run off. Such malfunctions are imminent public health hazards and must be replaced in an expeditious manner under provisions of the Rules.

You may distribute copies of this letter as appropriate. If you have any questions please feel free to contact me at (207) 287-5695.

Sincerely,

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

/jaj
xc: SludgeHammer File

Our vision is Maine people enjoying safe, healthy and productive lives.



SludgeHammer™

SludgeHammer™ Group Ltd.
336 S. Division Road
Petoskey, MI 49770

Ph: 1.231.348.5866
Toll Free: 1.800.426.3349
Fax: 1.720.834.3102
www.SludgeHammer.net

nature called. we answered.



June 2, 2007

Jim Jacobsen
State of Maine
Division of Health Engineering
10 State House Station
Augusta, Maine 04333-0010

RECEIVED
JUN 18 2007
WASTEWATER &
PLUMBING PROGRAM

Dear Mr. Jacobsen,
I am attaching a copy of an earlier approval you granted to my company Piranaco Inc. in 2003. I was president and incorporator of that company. We marketed the device Pirana for restoration of failing leachfields in your state pursuant to this approval. Over the past year we have been re-branding our product to market under the new name SludgeHammer and to complete the re-branding have also legally changed the name of our corporation to SludgeHammer Group Ltd. with a new address of 336 S. Division Rd., Petoskey, Michigan 49770. These changes have already been incorporated into our listing with the International Association of Plumbing and Mechanical Officials Uniform Plumbing code (see www.iapmo.org). The Pirana device is no longer so listed and the SludgeHammer is now the sole device listed under their IGC180-2003.

I am writing to request that you supersede our previous permit under the Piranaco Pirana identity with a new listing under our new tradename SludgeHammer and the new corporate identity, SludgeHammer Group Ltd. I will be happy to fill out any necessary applications and pay any necessary fees for the new permit as well as provide any information that you might require. You can contact me at 707-874-9298 or via email at dwickham@sonic.net

Respectfully,

Daniel E. Wickham
President



STATE OF MAINE
 DEPARTMENT OF HUMAN SERVICES
 DIVISION OF HEALTH ENGINEERING
 11 STATE HOUSE STATION
 AUGUSTA, MAINE
 04333-0011

JOHN ELIAS BALDACCIO
 Commissioner

March 7, 2003

Septic Solutions, LLC
 Attn: Stephen Dix, P.E.
 2 Court Lane
 Old Lyme, CT 06371

Subject: Product Registration for General Use, Piranaco *Pirana*

Dear Mr. Dix:

Thank you for your information regarding the Piranaco *Pirana* for registration under provisions of Section 1802 of the Maine State Plumbing Code, Subsurface Wastewater Disposal Rules (Rules).

Product Description

The Piranaco *Pirana* consists of a 12 inch diameter plastic tube within which is a four inch diameter plastic tube. The space between the tubes is filled with plates of cusped plastic sheeting. A remote air pump feeds air to a proprietary diffuser beneath the cusped plates. A biological film is generated, which adheres to the cusped plates and provides treatment of the water-borne contaminants. The Piranaco *Pirana* is inserted into conventional septic tanks, and a proprietary inoculant is introduced at regular intervals.

Claim

You have submitted testing data from two installations at the Massachusetts Alternative Septic System Test Center (Center), for the period from May of 2002 to December of 2002, rather than data from 50 installations pursuant to Section 1802.4 of the Subsurface Wastewater Disposal Rules (Rules). Since the data acquired from the installations at the Center are from controlled conditions, this office finds the submission an acceptable alternative to the requirements of Section 1802.4 of the Rules.

According to the information in our files, the Piranaco *Pirana* reduces nitrate and BOD⁵ levels to less than 100 Mg/l (often, to less than 50 Mg/l); reduces suspended solids in the effluent, and rejuvenates biologically clogged disposal areas by application of low-nutrient, high dissolved oxygen effluent. The levels of total nitrogen are reduced on the order of 60 percent.

Determination

On the basis of the foregoing, the Division has determined that the Piranaco *Pirana* is acceptable for general use in the State of Maine, provided that it is installed, operated, and maintained in conformance with the manufacturer's directions and Purchase/Installation Agreement.

In the event that the product fails to perform as claimed, use of the product in Maine, including all installations approved pursuant to Chapter 18 of the Rules, shall cease. Use of the product shall not resume until the applicant and the Division have reached a mutually acceptable agreement for resolving the failure to perform as claimed.



RECYCLE YOUR COPY

2500002

ENDORSED - FILED
in the office of the Secretary of State
of the State of California

DEC 23 2002

BILL JONES, Secretary of State

**ARTICLES OF INCORPORATION
OF PIRANACO INC.**

I

The name of this corporation is Piranaco Inc.

II

The purpose of the corporation is to engage in any lawful act or activity for which a corporation may be organized under the **GENERAL CORPORATION LAW** of California other than the banking business, the trust company business or the practice of a profession permitted to be incorporated by the California Corporations Code.

III

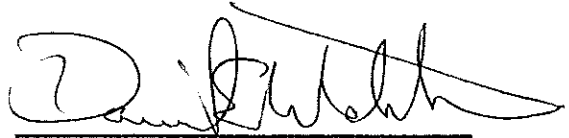
The name and address in the State of California of this corporation's initial agent for Service of process is:

Daniel Wickham c/o
William B. Daniels, Jr., a professional corporation
7535 Healdsburg Ave.
Sebastopol, CA 95472

IV

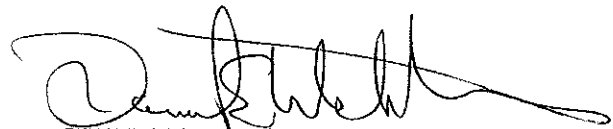
The corporation is authorized to issue two classes of shares; voting shares, having a total number of 1,000,000 shares; and non-voting shares, having a total of 1,000,000 shares. Voting shares shall have exclusive voting rights and Non-Voting shares shall have no voting rights except as otherwise provided by law.

Dated: December 20, 2002



Daniel E. Wickham, Incorporator

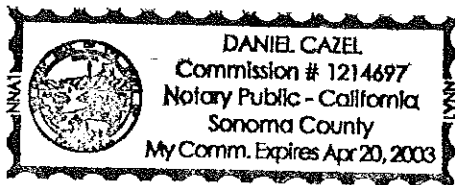
I declare that I am the person who executed the above Articles of Incorporation, and such instrument is my act and deed.



Daniel E. Wickham

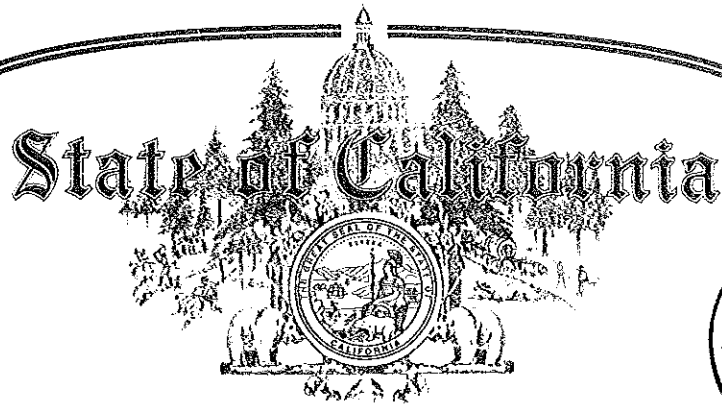
State of California, County of Sonoma:

On this 20th day of December, 2002, before me, a Notary Public in and for said County and State, duly commissioned and sworn, personally appeared DANIEL E. WICKHAM, known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same.



Notary Public





SECRETARY OF STATE

I, *Kevin Shelley*, Secretary of State of the State of California, hereby certify:

That the attached transcript of 2 page(s) has been compared with the record on file in this office, of which it purports to be a copy, and that it is full, true and correct.

IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this day of

MAR 07 2003



Kevin Shelley
Secretary of State