



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

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

February 8, 2008

IMET Corporation
Attn.: Dr. Paul Zakriski
1670 Columbus Road
Cleveland, OH 44113

Subject: Pilot Product Registration, Septic Rejuvenator

Dear Dr. Zakriski:

The Division of Environmental Health has completed a review of a registration application for your company's product. 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 Septic Rejuvenator consists of a multiple compartment treatment tank with extended aeration capability. They are intended for use in either existing tanks, or new installations. No specifications for the tanks, air pumps, or aeration mechanism(s) were provided.

Claim

According to the information you provided, the Septic Rejuvenator reduces odor, solids, ammonia nitrogen, total nitrogen, total suspended solids, and fecal coliform. No data were submitted in support of this claim.

Determination

On the basis of the information submitted, the Division has determined that the Septic Rejuvenator is based on proven, sound engineering principles and can be expected to provide the same level of protection to public health and the environment as offered by similar products presently authorized by the Department. However, since no data or specifications were submitted in support of the proposal, the Septic Rejuvenator is approved on a **Pilot Approval** basis, pursuant to the following conditions:

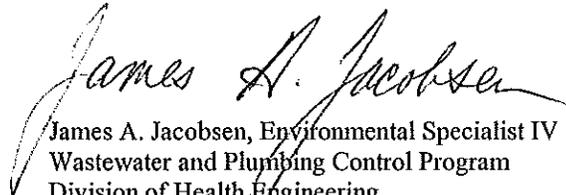
- No more than 15 installations of the Septic Rejuvenator are granted Pilot Approval by the Division.
- Pilot installations shall be limited to sites which do not otherwise require any variance or waiver to the Rules, and shall require prior review and approval from the Division.
- Pilot installations shall require a site evaluation, and an installation permit based thereon from the Local Plumbing Inspector of the relevant municipality.
- On no less than a bi-weekly basis for a period of not less than six months, and once per month for at least an additional six months, the applicant shall test the influent and effluent of each installed product registration for the following parameters: five day Biochemical Oxygen Demand (BOD₅), Total Suspended Solids (TSS), Nitrate Nitrogen (NO₃), Nitrite Nitrogen (NO₂), Total Kjeldahl Nitrogen (TKN), Ammonia Nitrogen (NH₄), and coliform bacteria. The results of these tests shall be submitted to the Division on no less than a quarterly basis.
- If the testing regime for no less than ten Pilot installations confirms the applicant's claim, the Division shall grant Provisional Approval of the Septic Rejuvenator.

In the event that the product fails to perform as claimed by the applicant, 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 Septic Rejuvenator. Further, registration of this product for use in the State of Maine does not represent Division preference or recommendation for this product over similar or competing products.

If you have any 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@state.me.us

/jaj

Enc: Chapter 18, CMR 241

xc: Product File
Gordon Lorenson via e-mail

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JAN 28 2008

WASTEWATER &
PLUMBING PROGRAM



Maine Department of Health and Human Services
Bureau of Health
Division of Health Engineering
Wastewater and Plumbing Control Program

APPLICATION FOR REGISTRATION OF
EXPERIMENTAL SYSTEM/INNOVATIVE TECHNOLOGY
OR ONSITE SEWAGE DISPOSAL SYSTEM PRODUCT

Please complete the following Sections. Please print or type.

Applicant

Company Name: IMET CORPORATION

Contact Person: DR. PAUL ZAKRISKI

Address: 1670 COLUMBUS RD

Town/City: CLEVELAND State/Province: OH Zip Code: 44113

Country: USA

Telephone: 216-771-0043 e-mail: pzakriski@imet.net

Product

Product Name: Septic Rejuvenator

Model: _____

Product Classification (choose one)

Primary or Secondary Treatment Unit

- Septic Tank Extended Aerobic Treatment Unit Recirculating Aerobic Unit
- Aerobic Fixed Film Unit Other (specify) _____

Effluent Filter

- Septic Tank Outlet Filter Post-Tank Filter Other (specify) _____

Disposal Device

- Gravel-less Disposal Pipe Gravel-less Disposal Bed Chamber, Plastic
- Chamber, Other Other (specify) _____

Miscellaneous

- Pipe Effluent Flow Distribution Device Other (specify) _____

Claim

Describe the product's features (attach additional sheets if necessary).

SEE ATTACHED MATERIAL (A1)

Describe the product's performance (attach additional sheets if necessary).

SEE ATTACHED MATERIAL (A2)

Has the product received National Sanitation Foundation or Canadian Standards Authority approval?

No Yes (If "yes", enclose a copy of the certification.)

IMPORTANT NOTE!

Don't forget to enclose relevant product literature, engineering specifications, studies, and third party certifications with this application.

I, PAUL ZAKRISKI, am the applicant agent for the applicant of the subject product.
(print name)

I state that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department to deny registration for use of the product in Maine.

Paul Zakriski

Signature of Applicant
 Signature of Agent for Applicant

1/28/05
Date

SECURITY AGREEMENT

IMET Corporation, having an office at 1670 Columbus Road, Cleveland, OH 44122, (hereinafter referred to as IMET), proposes to disclose to _____, writings, inventions, know-how, ideas, designs, formulas, processes, samples, production Information, manufacturing and trade secrets and business confidences (hereinafter collectively referred to as the "Information") relating to the following products and/or processes of IMET:

In consideration for disclosure of this Information by IMET to Recipient, including any Information received by Recipient from IMET before or after the date of this Agreement, it is understood that Recipient agrees to accept such Information in trust and confidence and further agrees that it will not divulge or reveal such Information to others without the prior written consent of IMET.

Recipient will set up all necessary provisions for the control and distribution of such Information within its organization and shall use its best efforts to restrain its employees from using or disclosing such Information in a manner contrary to the provisions of this Agreement. It is understood that the obligation to retain this Information in trust and confidence will exist regardless of the form the Information may take, including oral, written or electronic.

Recipient recognizes IMET's ownership rights to such Information, and no right, express or implied, is conveyed to Recipient by IMET relating to such Information. All such Information remains the property of IMET.

Recipient agrees not to use directly or indirectly, commercially or industrially, such Information without first having obtained IMET's written consent to such utilization.

Recipient shall return, on the written request of IMET, all of the Information submitted to Recipient other than that which is submitted orally.

The obligations of this agreement shall not extend to any Information that

1. Was already known to Recipient at the time of its disclosure to Recipient;
2. Is at the time of the disclosure to Recipient or thereafter becomes generally available to the public from sources other than Recipient or Recipient's employees; or
3. Properly thereafter becomes available to Recipient on a non-confidential basis from a third party having no direct or indirect secrecy obligation to IMET.

It is understood that the Information disclosed by IMET to Recipient is of great value to IMET and unauthorized disclosure thereof in violation of the terms of this agreement will cause IMET great and irreparable harm not readily compensable by money damages alone. Accordingly, if the Information is disclosed or used by Recipient in violation of the terms of this agreement, IMET shall be entitled to immediate injunction, without bond, against any unauthorized disclosure or use by or as a result of Recipient's actions. Additionally, Recipient will pay all legal expenses and attorneys' fees incurred by IMET in obtaining injunctive or other legal relief against the violation of the terms of this agreement by Recipient.

The secrecy obligations contained in this agreement shall terminate five years from the date on which this agreement is executed by Recipient or five years from the latest date on which IMET submits Information to Recipient hereunder, whichever is the later of such dates.

Please indicate your acceptance to the foregoing provisions of this agreement by signing in the space provided below.

IMET CORPORATION

I hereby confirm my agreement to the foregoing:

By _____

By _____

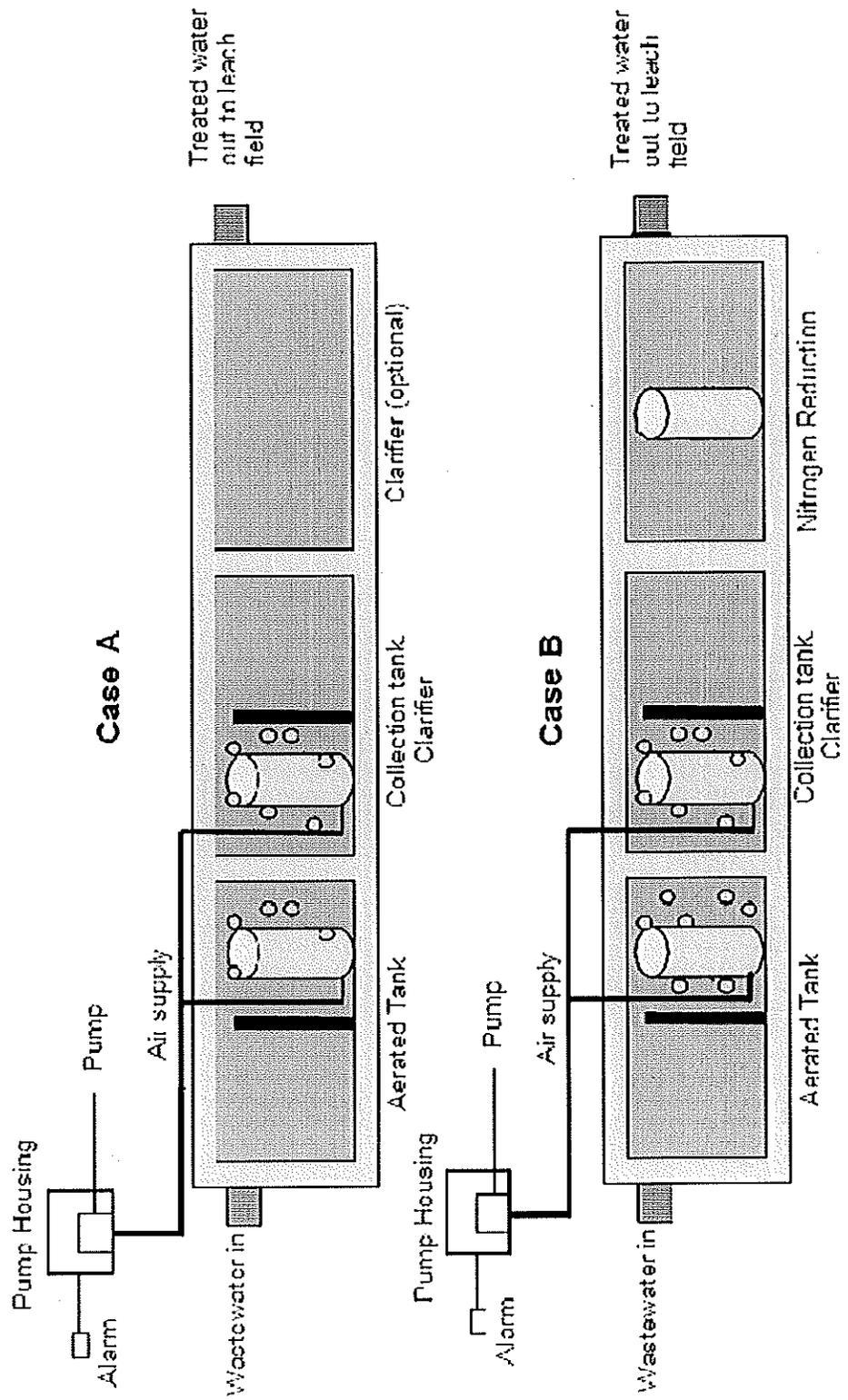
Title _____

Title _____

Date _____

Date _____

SEPTIC REJUVENATOR



Claim

PRODUCT FEATURES: A1

Septic Rejuvenators (SR) are inserted into existing septic tanks or new underground residential treatment tanks. SR systems eliminate odor and biomat production, therefore significantly reducing periodic pumping of solids from residential treatment tanks. Due to the significant reduction in biomass, ammonia, nitrogen, TSS, and fecal coliform, by the SR systems the result is the increased quality of the leach field and reduction of plugging. The quality of the treated wastewater enables reuse for irrigation if desired, following disinfection by a UV unit or other disinfection treatments.

All installations use a small aeration pump using a minimal amount of electricity that provides necessary aeration for the units in the tanks. All pumps are equipped with a pump failure alarm system that alerts the homeowner in the event of a pump malfunction.

PRODUCT PERFORMANCE: A2

At a residency where severe flooding from the D-Box brought about foul smells and puddles in the leach field. Two pump-outs had been done within the last 12 months. Upon assessing the site the problems still persisted. Owners of the home had been advised that the field had failed and the installation of a mound system was necessary.

An SR unit was installed on site to fix both the flooding around the D-Box and the odor problems. Two months following the installation of the SR unit, no septic tank odor was detected and the area around the D-Box was dried completely. The level of fecal coliform in the D-Box was around 500cfu/100ml. Results also show that the SR-augmented septic tank system is no longer contributing to nutrient runoff from excessive amounts of ammonium and nitrate levels.

Jacobsen, James

From: Gordon Lorensen [glorenson@prodigy.net]
Sent: Monday, January 28, 2008 11:37 AM
To: Jacobsen, James
Subject: Application
Follow Up Flag: Follow up
Flag Status: Red
Attachments: pat1328862689; pat705994402; pat1186015454; pat1882897261

Hello Mr. Jacobsen,

I have attached four pdfs to address all of the requirements and questions asked by the State of Maine. If any additional information is needed to further fulfill any other application supplements please contact me at any time. We look forward to working with you and the State of Maine to implement our new innovative technology.

Jacobsen, James

From: Gordon Lorensen [glorenson@prodigy.net]
Sent: Monday, January 28, 2008 11:37 AM
To: Jacobsen, James
Subject: Application
Follow Up Flag: Follow up
Flag Status: Completed
Attachments: pat1328862689; pat705994402; pat1186015454; pat1882897261

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