



STATE OF NEW YORK DEPARTMENT OF HEALTH

Center for Environmental Health

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March 14, 1994

Mr. James Richard
Rissy Plastics
20 Woodland Drive
Canton, CT 06019-2004

RE: Dosing Chamber

Dear Mr. Richard:

Thank you for your letter of March 4, 1994 and related information regarding Rissy Plastics' Floating Outlet Distribution Chamber. This product has potential as a simple and effective method for dosing on-site wastewater absorption systems. This department recommends dosing or pressure distribution for all absorption systems since it promotes improved treatment of wastewater and system longevity as compared to systems lacking dosing or pressure distribution. The department does not approve equipment or issue product endorsements.

The minimum statewide standard for on-site wastewater treatment systems for individual households in New York State is 10NYCRR Appendix 75-A (copy enclosed). The Floating Outlet Distribution Chamber is not specifically addressed in Appendix 75-A. However, it is consistent with section 75-A.7(b), on page 14, which applies to pressure distribution and dosing. As such, the float device and chamber must be designed to ensure the volume of each dose is equal to 75% to 85% of the volume available in the absorption system pipe network. Dosing systems must include distribution boxes equipped with inlet T-baffles to ensure equal sewage flows to individual gravity perforated distribution pipes. The use of speed levelers is recommended.

Mechanical dosing chambers must be equipped with an overflow pipe set above the upper liquid draw depth. Reserve storage capacity in the dosing chamber serves no useful purpose. An audible or visual alarm is recommended to indicate that the dosing device is overflowing. Mechanical dosing devices should be equipped with a downward facing screened vent riser to reduce the concentration of toxic gases within the unit.

The installation of a siphon or dosing device shall be supervised by a design professional in New York State. The design professional should certify to the reviewing authority (i.e., NYSDOH District Office or county health department) that installation was in accordance with approved plans and manufacturer's recommendations.

The installation of a dosing device is also subject to the conditions and requirements of local health departments or local code enforcement officers having jurisdiction, which may have more stringent standards than Appendix 75-A.

I hope this information is helpful to you. Please feel free to contact me at (518) 458-6706 if you have questions regarding this matter.

Sincerely,

Kevin C. Scheuer, P.E.
Sr. Sanitary Engineer
Bureau of Community Sanitation and Food
Protection