



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

OHIO ELIAS BALDACCI
GOVERNOR

JOHN R. I
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July 14, 2004

Knight Treatment Systems
Attn: Jay Knight, President
281 County Route 51A
Oswego, NY 13126

Subject: Revised Product Registration, Knight Treatment Systems *White Knight*

Dear Mr. Knight:

Product Description

The Knight Treatment Systems *White Knight* 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 loose spherical plastic media. A remote air pump feeds air to a proprietary diffuser beneath the cusped plates. A biological film is generated, which adheres to the plastic media and provides treatment of the water-borne contaminants. An outlet filter prevents solids carryover. The Knight Treatment Systems *White Knight* is inserted into conventional septic tanks, and a proprietary innoculant is introduced at regular intervals.

Claim

According to the information in our files, the Knight Treatment Systems *White Knight* significantly reduces nitrate and BOD₅ levels; reduces suspended solids in the effluent; and rejuvenates biologically clogged disposal areas by application of low-nutrient, effluent with relatively high levels of dissolved oxygen. You have submitted additional data demonstrating that ponding in disposal areas is reduced, thereby restoring the absorptive capacity of the disposal area. Ref.: Letter dated 5/20/04 with enclosures. Although the combined BOD₅ and TSS exceed the reduction limits from Table 603.1 of the Subsurface Wastewater Disposal Rules, you have previously supplied data demonstrating that these levels represent aerobic microorganisms rather than untreated waste. On this basis you have requested a 50% design flow reduction for first time and replacement systems utilizing the Knight Treatment Systems *White Knight*.

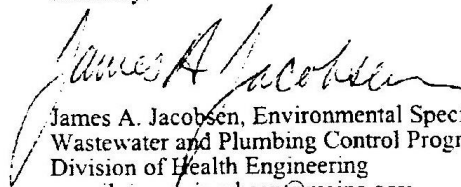
Determination

On the basis of the foregoing, the Division has determined that the Knight Treatment Systems *White Knight* is allowed a design flow reduction adjustment of 50%, provided that it is installed, operated, and maintained in conformance with the manufacturer's directions and Purchase/Installation Agreement.

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 Knight Treatment Systems *White Knight*. 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.

This letter supersedes the letter dated July 7, 2004. 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
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xc: Product File
Septic Preservation Services.