

Janet T. Mills
Governor

Jeanne M. Lambrew, Ph.D.
Commissioner



Maine Department of Health and Human Services
Maine Center for Disease Control and Prevention
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April 17, 2024

John Blount PE
Principal
Civil Solutions
4378 Varsity Ln
Houston Tx 77004

Subject: Product Registration, Clearstream Wastewater Systems, Inc., Model 500 DAST and 800 DAT

Dear Mr. Blount:

The Division of Environmental Health has completed a review of a registration application for the subject products. This information was submitted pursuant to Section 7HH of the 2023 Subsurface Wastewater Disposal Rules for registration for use in Maine.

The Clearstream Wastewater Systems, Inc., Model 500 DAST consists of a cylindrical tank with an integral conical clarifier. Influent is aerated in the tank to create activated sludge. Suspended solids are settled in the clarifier and recirculated as needed. Clarified effluent is pumped from the clarifier to a pre-treatment tank (500NS) to undergo de-nitrification (A 50% reduction required for NSF 245). Models 500 DAST and 800 DAT have treatment capacities of 500 and 800 gallons per day respectively.

According to the information you provided, Clearstream Wastewater Systems, Inc., Model 500 DAST and 800 DAT has been certified by Gulf Coast Testing, LLC pursuant to the ANSI/NSF Standard 245/ 40 for residential wastewater treatment systems. Clearstream Model 500DA series meet the performance requirements of NSF/ANSI Standard 245 with an average total nitrogen reduction of 54.1%. The Modification and scale up report has been prepared for the purposes of a SF/ANSI Standard 245 conformity assessment. This conformity includes the model 800DAT.

Based on the information provided, the Division has determined that the Clearstream Wastewater Systems, Inc., Model 500DAST and Model 800 DAT are acceptable for use in the State of Maine, provided that it is installed, operated, and maintained in conformance with the manufacturer's directions.

Because installation and owner maintenance have 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 Clearstream Wastewater Systems, Inc., Model 500 DSAT and Model 800 DAT. 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,

A handwritten signature in black ink that reads "Alexander Pugh". The signature is written in a cursive style with a large, prominent initial 'A'.

Alexander Pugh
Senior Environmental Hydrogeologist
Division of Environmental and Community Health
Subsurface Wastewater Unit
Email: alex.l.pugh@maine.gov