

Class B Lime Stabilization Systems



Regional facility located in Louisiana

RDP Technologies is the world's leading supplier of Sewage Sludge/Lime Stabilization Systems. RDP Systems are at work at over 100 facilities, providing reliable, efficient and economical stabilization of municipal sewage sludge. Systems operate in plants from 1-dry ton per day to over 150-dry tons per day.

The addition of lime to sewage sludge in order to raise the pH of the sludge is a recognized and U.S.E.P.A. approved method of meeting Class B Pathogen Reduction Standards and Vector Attraction Reduction Criteria.

RDP systems are guaranteed to meet U.S.E.P.A. Part 503.32 (b) (2) Class B Stabilization Criteria and Part 503.33 (b) (6) Vector Attraction Reduction Criteria.

RDP systems are equally effective for stabilization of all types of sewage sludges. Primary and activated sludges are efficiently stabilized without requiring any aerobic or anaerobic digestion processing. Tremendous savings have been realized at many facilities by avoiding any solids digestion and using lime stabilization. The process takes less than 5 minutes, is easy to control and is extremely flexible.



Lime Stabilization in use at a large metropolitan wastewater treatment facility



Lime Stabilization takes less than five-minutes to produce guaranteed Class B Stabilization

The heart of any lime stabilization system is the Sludge/Lime Mixer. The Mixer provides the intimate contact required between lime particles and sludge biosolids. RDP's patented mixing action has been shown in side-by-side comparisons to provide the most efficient use of lime available.



RDP's patented mixing action reduces lime consumption and operating costs

Lime Stabilized biosolids are ideal for many agricultural uses. The combination of lime, nutrients and organic material is in demand by many farming operations. Lime stabilized biosolids are in use throughout the world, improving soil conditions and increasing crop yields.



Lime stabilized biosolids in use in a Kentucky pasture

Upgradeable Systems

RDP is also the world's leader in Class A Lime Pasteurization Systems. RDP's Patented EnVessel Pasteurization™ Process is installed in over 60 facilities producing pathogen-free, restriction-free biosolids.

Class A Pasteurization Systems use a ThermoBlender™ with electric heat elements to assist in raising the sludge temperature. The elements enclose the mixer and are installed inside the mixer rotors to provide a highly efficient heat transfer. Many facilities decide to install mixers today for Class B Stabilization, which can be upgraded to Class A Lime Pasteurization ThermoBlenders™. This allows communities to incrementally increase the ability to improve to Class A Stabilization.



Internal rotor heat tube assembly used to produce Class A Pasteurization



RDP Technologies, Inc.®

2495 Boulevard of the Generals, Norristown, PA 19403

Phone: (610) 650-9900, Website: www.rdpotech.com