

CleanB[®]



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The BCR CleanB® process puts world-class biosolids expertise at your fingertips, reducing processing time from days to minutes.



The modular, one-button CleanB® system has been granted National PSRP equivalency by the EPA. It treats biosolids in just 10 minutes to meet Class B regulatory requirements for beneficial reuse,* while requiring minimal energy consumption and minimal maintenance and labor.



Our patented CleanB® technology has been proven in 10 installations with nearly 30 years of cumulative operating history.

*Complies with Title 40 CFR Part 503

Why choose CleanB®?

Improve regulatory compliance: complies with Class-B disinfection requirements and VAR requirements utilizing the SOUR test

Reduce operating footprint: modular and highly scalable system also eliminates space requirements for digesters and other equipment;

Simplify operations: one-button start-up/shutdown; minimal maintenance and labor demands; minimal moving parts (5 MOVs, 1 air compressor, 2 chemical pumps)

Reduce energy consumption: average energy cost of only \$450 per year

Reduce polymer use and expense: average 20% reduction in polymer

Reduce both capital and operating expenses

Reduce odors typically associated with biosolids processing

Improve the process: enhanced dewaterability / average 20% decrease in hauling costs

Improve value captured: average 90-95% dewatering capture rates for total nitrogen and total phosphorus; and minimal nutrient leaching from end-product

Improve process documentation: automatically generates batch and monthly reports on chemical consumption, dry solids processed, gallons processed, and batch times;

Requirements:

General Footprint: 320 ft² (40' x 8') for CleanB® plus approximately 300 ft² for chemical storage and containment

Scalability: One CleanB® unit can process up to 265 gpm; multiple units can be run in parallel for larger facilities

Uses 120V electrical service

Requires potable or reuse connection rated at 40-60 psi and 60-120 gpm



Product Specifications:

CleanB® is offered with three different coil sizes (6", 8", and 10") capable of treating 55 to 265 gpm (1 - 20 MGD) at 0.5%TS to 3%TS (2% total solids limit for running as a PSRP process).

Process is equipped with remote monitoring capabilities, alerts, and notifications. Provides text and email alerts for faults and alarms to up to 5 users.

The system automatically doses on a flow-proportioned (ppm), mg ClO₂/kg dry weight solids, or PSRP basis.

Uses a patented chlorine dioxide generating system proven safe in multiple installations. BCR's chemical management plan and remote monitoring capabilities ensure chemical tanks are never empty and the facility never has to handle CleanB® chemicals.

CleanB® Installations	State	Commissioned
Alachua	FL	01/26/2011
NASJAX	FL	10/16/2012
FPUA	FL	09/03/2014
Pembroke Pines – Phase 1	FL	03/15/2015
Lake Wales	FL	12/01/2015
Opequon	WV	02/01/2016
Hedgesville	WV	02/01/2016
Berkeley	WV	02/01/2016
Inwood	WV	02/01/2016
Loganville	GA	07/01/2016
Vero Beach	FL	02/09/2018



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