

CASE STUDY:
**Naval Air Station Jacksonville, FL
(Upgrade)**



NAVAL AIR STATION JACKSONVILLE, FLORIDA CONTINUES ITS LONG-TERM SUCCESS WITH AN UPGRADE FROM BCR

BCR upgraded the CleanB® system at the U.S. Naval Air Station (NAS) Jacksonville's wastewater treatment facility. The existing contact coil was pulled from the Conex box and re-used, and BCR's newest modular chemical delivery, ClO2 generator and control panel sub-assemblies were installed. The upgraded CleanB® system only occupies 135 ft2 of footprint (excluding chemical tanks, dewatering and interconnects), and was relocated to provide the client more room on the existing concrete slab.

NAS JAX: ORIGINAL CLEANB® INSTALL



NAS JAX: UPGRADE CLEANB® INSTALL



CASE STUDY:

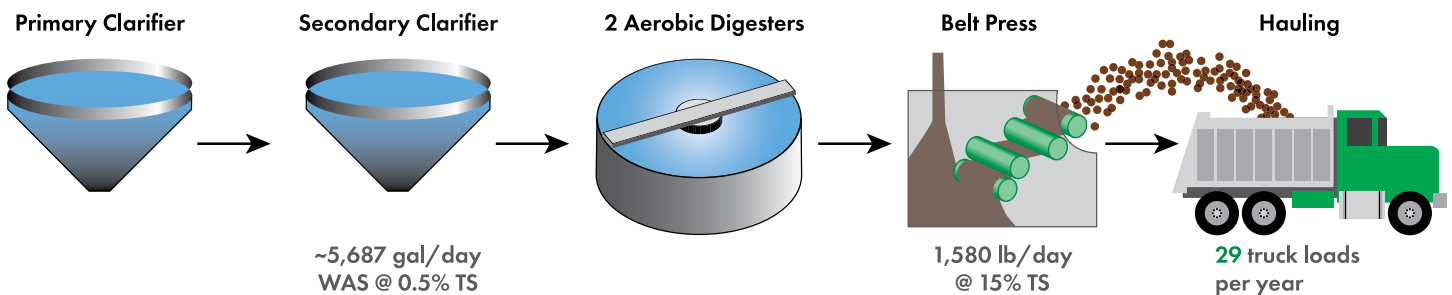
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The modular nature of BCR's CleanB® equipment provided a seamless upgrade to the CleanB® system originally installed in October of 2012. The upgraded system will continue to provide the U.S. Naval Air Station Jacksonville with a robust class B alternative solution that provides the following long-term successes, while meeting the U.S. Navy's aggressive energy reform targets:

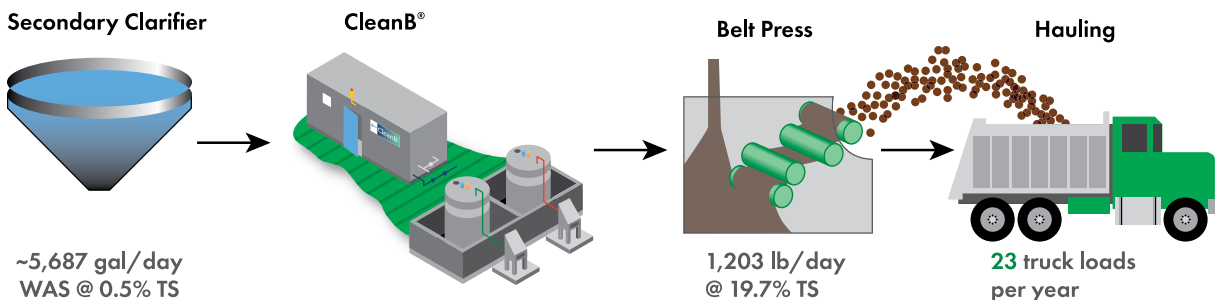
Long-Term Success:

- Energy cost savings of \$75,000 (CleanB® energy cost of \$450 per year)
- 99% reduction in energy consumption
- Operating cost savings of \$111,000
- Cumulative operating savings of \$2.2M
- Payback on equipment projected at 5.0 years; 6.5 years including installation
- Reduction in greenhouse gas emissions of approximately 480 tons per year
- Improved dewatering of biosolids
- 71% less polymer consumption
- Simple, one-button Start/Stop operation

NAS JAX: PROCESS FLOW DIAGRAM (BEFORE)



NAS JAX: PROCESS FLOW DIAGRAM (AFTER)





About the CleanB® Solution

CleanB® is a simple process that meets pathogen and vector attraction reduction requirements as defined by 40 CFR Part 503. The system is highly scalable, has a small footprint, and may be mobilized or permanently installed onsite. Every CleanB® system is outfitted with a control system and monitoring devices to record process parameters and ensure efficient operation.

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WHAT MAKES BCR A TRUSTED PARTNER?

BCR Environmental Corporation is an environmental solutions company transforming the way municipalities treat and manage biosolids and organic wastes. BCR has several industry-revolutionizing technologies that convert organic waste streams into safe, valuable, and marketable end products. BCR is growing rapidly because we offer solutions that lower costs and reduce risk. BCR has a significant U.S. market position as a technology innovator and leader in the municipal biosolids sector.

Our Whole Solutions eliminate odor, improve regulatory compliance, simplify biosolids and organics management, and convert waste streams into renewable resources.

BCR | SOLID SOLUTIONS
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