



# OFS BRANDS

OFS Brands Holdings Inc.  
Cool Springs Education Center  
Pike County, Indiana

In the summer of 2006 while developing a 500 acre corporate education center project that is to include education, lodging and recreation facilities we were faced with the fact that we were very limited in choices as to our waste treatment. The nearest treatment plant was too far to pump the effluent to. On site storage and subsequent hauling and disposal fees was not an economical alternative. The clay soil with a shallow depth to the limiting layer was investigated by two geotechnical firms and was found to be marginally acceptable for a typical mound surcharge disposal design. Our waste stream would not be continuous, subject to short periods of high flow followed by periods of inactivity. The lifetime of a typical mound system was calculated to be short in comparison to the cost to import the building materials and reconstruct on site replacements routinely. OFS being an environmentally sensitive corporation did not want the possibility of a failing disposal system leaking into the environment in just a few years during wet winter and spring soil conditions.

After a through search of options we came upon an Indiana firm, Algaewheel Inc. that seemed to have what we needed. A package system to treat the waste stream which was both environmentally friendly and cost effective. Combining this with a downsized mound absorption bed where the crystal clear effluent is reintroduced to the environment was just the solution we wanted. Until we read about the Algaewheel bacpac system we did not know there was technology to utilize solar energy with algal filtration for bacterial treatment of septic effluent removing the nitrates, phosphorus, and converting the waste to clear water. The system is operating now, quiet and efficient, and through the in ground tank storage/pre-treatment area we have high flow protection, low flow stability and room to expand the system as the multimillion dollar, multi year, state of the art facility is expanded.

This product is working well for us at OFS Brands, Inc. and strongly recommends it for applications like ours. There are many failed mound systems and conventional absorption fields in our part of the country that would benefit by the environmentally friendly treatment alternative utilizing the Algaewheel.

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