

QED/MCARTHUR FARMS WASTEWATER TREATMENT SYSTEM



QED Tangential Flow Treatment System

Site:	McArthur Farms Barn # 3, Okeechobee Co., FL
Project Description:	As one of the thirteen state-funded projects under the Phosphorus Source Control Grant Program, this project provides for the reduction of P in a dairy barn complex waste stream. Barn wastewater is diverted through a grit screen and a sand separator to remove bedding material (sand) and large solids, and then is treated by the QED Tangential Flow Treatment System, which utilizes chemical and physical treatment to combine and remove fine solids. Treated water can be recycled back to the dairy operations, while the system's by-product (sludge) is collected for future off site use.
Performance:	Estimated annual P load reduction from this project is 2.87 MTons.
Funding:	\$513,655 (State Appropriation, FDACS).
Landowner Cost-Share:	50 - 60% (Land, O & M).
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