



CUSTOMER	Agrilectric Power
LOCATION	Lake Charles, Louisiana
APPLICATION	Water intake for power plant cooling
SOLUTION	Series 6000 Water Screen
MISSION	Generate environmentally-friendly electricity for the city of Lake Charles

The Hydrolox Advantage

- » Designed to operate 24/7/365
- » Last up to five times longer than traditional chain-driven steel screen systems
- » Proven to exclude debris and reduce harm to aquatic life

Agrilectric Power Reduces Maintenance, Increases Run Time with Hydrolox Water Screen

CUSTOMER OBJECTIVES

Agrilectric Power was having trouble finding the perfect water screen for their power plant's cooling water intake. They tried traditional steel chain-driven water screens, but suffered repetitive mechanical failures, resulting in occasional downtime and high O&M costs. Those were replaced with static inlet screens, which required daily manual cleaning, reducing manpower available for other plant functions. The company needed a reliable screen that would support nonstop operation, reduce maintenance and downtime, and allow them to continue a constant electric power output of 12 MW.

HYDROLOX EXECUTION

Agrilectric found their solution with the Hydrolox™ Series 6000 Flush Grid Water Screen. This engineered polymer water screen is designed to fit into existing slots for traditional screens, simplifying installation. Hydrolox's positive shaft drive eliminates the need for chains and below-water rotating parts, increasing run time and reducing screen maintenance. The screen's slot opening design, smooth surface, and 1-in deck thickness facilitate effective cleaning and eliminate filamentous algae from "stapling" around the mesh.

Its patented boot seal prevents debris from passing underneath. As the screen's 3-in flights rotate around the bottom of the screen, the boot seal ensures that there is no opening larger than the screen's mesh. Additionally, Hydrolox installed a debris conveyor system to collect all debris removed from the water system. The debris is dewatered and deposited into a roll-off container.

RESULTS

The S6000 Flush Grid Water Screen has required no unplanned maintenance since installation. In fact, less maintenance is required overall, resulting in increased run time. The debris flights continuously clean the screen more thoroughly, virtually eliminating operator interaction, and the boot seal greatly reduces condenser cleaning intervals.

The Hydrolox screen's reliability has delivered a lower cost of ownership for Agrilectric. ***"Maintaining the traditional steel and static inlet screens took manpower away from other parts of the plant, which inconvenienced and burdened our staff. The Hydrolox screen allows everyone to focus on their top priorities because it takes care of itself,"*** says Chris Nunez, Operations Supervisor.

For more information about Hydrolox, visit www.hydrolox.com.

Hydrolox USA, New Orleans, LA, Toll Free: 1-866-586-2825

Hydrolox Europe, Amsterdam, The Netherlands, Toll Free: +00800-3344-5544