

CASE HISTORY

CLIENT: Industrial
LOCATION: New York, NY
APPLICATION: Algae Reduction/Chemical Usage
PRODUCT: LemTec™ Modular Insulated Cover System

BACKGROUND

A major pump manufacturer in New York had a serious problem with algae clogging the intake of their cooling system. Cooling water for this plant is stored in two outside concrete basins that are subjected to sunlight, and therefore the growth of algae.



PROJECT INFORMATION

Since shutting down the plant for periodic basin cleaning was not an option, algae control was achieved through expensive chemical addition. A plant engineer was convinced there was a better solution. After talking to the representatives of Lemna Technologies, a LemTec™ Modular Insulated Cover was purchased and installed.

LEMTEC™ SOLUTION

The LemTec™ Cover was custom designed to fit around various piping and other obstructions above the water surface in each basin. By completely covering the water surface, sunlight is prevented from penetrating the water column, therefore algae growth has been eliminated.

The client chose the LemTec™ Cover for a variety of reasons including ease of installation, reliable HDPE geomembrane construction, adaptability, and low maintenance. Cost however, was a primary consideration in the client's decision to purchase the LemTec™ Cover.

"The purchase of the LemTec™ Cover was based on an operating cost comparison with the existing chemical system and the ability of the LemTec™ Cover to block sunlight and prevent algae growth."

RESULTS

The LemTec™ Cover has exceeded the client's expectations and he states, *"Our cost analysis shows that the cover has done everything we said it would in terms of decreasing chemical consumption."*

For more information, please contact:

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