

Reference **Hexa-Cover® Floating Cover**
Application **Wastewater**
Effect **Controlling odor, algae and evaporation**
Location **Napa County, CA, USA**

Napa Berryessa Resort Improvement, Napa, CA, USA chose Hexa---Cover® Floating Cover for a wastewater application for controlling odor, algae and evaporation. Hexa---Cover® Floating Cover is installed at Lake Berryessa Wastewater Treatment plant, 1465 Steele Canyon Road, Napa. The application is to cover two concrete equalization basins.

Process:

Raw sewage from homes and resort, flow from gravity and lift stations into headwork’s Lakeside Spiral Screen, screened water into two equalization basins with Hexa---Cover® Floating Cover, then to Ovivo MBR, to effluent basin or alternate overflow basin, then pumped to reservoir off site for land application. Plant flow capacity approximately 30,000 GPD now and at build out 60,000 GPD.



“The visit to the plant was a bit amazing. There was no odor from the “Hexa---Covered” EQ Basins. These EQ basins have very high odor potential and algae potential because of the heavy nutrients coming off the screen. There was no algae, the discs as advertised interlocked, they floated up and down with no problem, and could not help but reduce evaporation.



A solid cover presented safety issues, the Hexa---Cover® discs did not. Summit Engineers was going to put aeration in these basins but saw a sample of the Hexa---Cover® product, called references then recommended the Hexa---Cover® installation. It penciled out better than aeration. That was important to this design build project, which Western Water Constructors, Inc. did with Summit.



Adjacent to these equalization basins are the effluent basin and overflow basin. These two basins were covered with algae. The point, the Hexa---Cover® Floating Cover eliminates Algae!

As proof, side by side basins, same plant, same time, two “Hexa---Covered” basins without algae and two uncovered basins with heavy algae. Also, no odor from the EQ basins.

The discs arrived in large sacks. Installation was simple; they simply dumped the discs into the basins. Installation was less than an hour. Contrast that to an aeration system”