

## Case Study

USUTRU-336.001

**IXOM**  
WATERCARE

# Cyanobacteria & Odor Control In Irrigation

SolarBees continue to provide water quality benefits more than 10 years after deployment.

**Topics:** cyanobacteria, odor control, effluent storage basins, irrigation, reservoir circulation.



A SolarBee® SB5000 Reservoir Circulator deployed in Pond #4.

### Location & Contact Information:

Further information may be available upon request. Please contact IXOM Watercare by phone at 866-437-8076 or by e-mail, [watercare@ixom.com](mailto:watercare@ixom.com)

### Reservoir Overview:

Effluent storage basins used for irrigation.

Pond #4: ~36 Surface Acres

Pond #5: ~29 Surface Acres.

**Pre-Deployment Conditions:** This location had a history of cyanobacteria (blue-green algae) blooms, surface scum, and odor issues in the ponds and when irrigating. Duckweed and filamentous algae have been known to be issues here (especially Pond #5).

**Project Objectives:** Control cyanobacteria blooms, improve dissolved oxygen levels throughout the pond water column to prevent odors issues, enhance the organic sludge digestion and improve overall water quality.

**Solution:** Four (4) SolarBee® SB5000 Lake & Reservoir Circulators total; two (2) in Pond #4 and two (2) in Pond #5. (2006 & 2007)

**Results:** Since deployment, both Pond #4 and Pond #5 have shown consistent and improved water quality. Cyanobacteria blooms have been under control. Odor issues have been resolved within the ponds and while irrigating.

Overall, the owner is very pleased with the results and the performance of the SolarBee® circulation equipment over the years.

