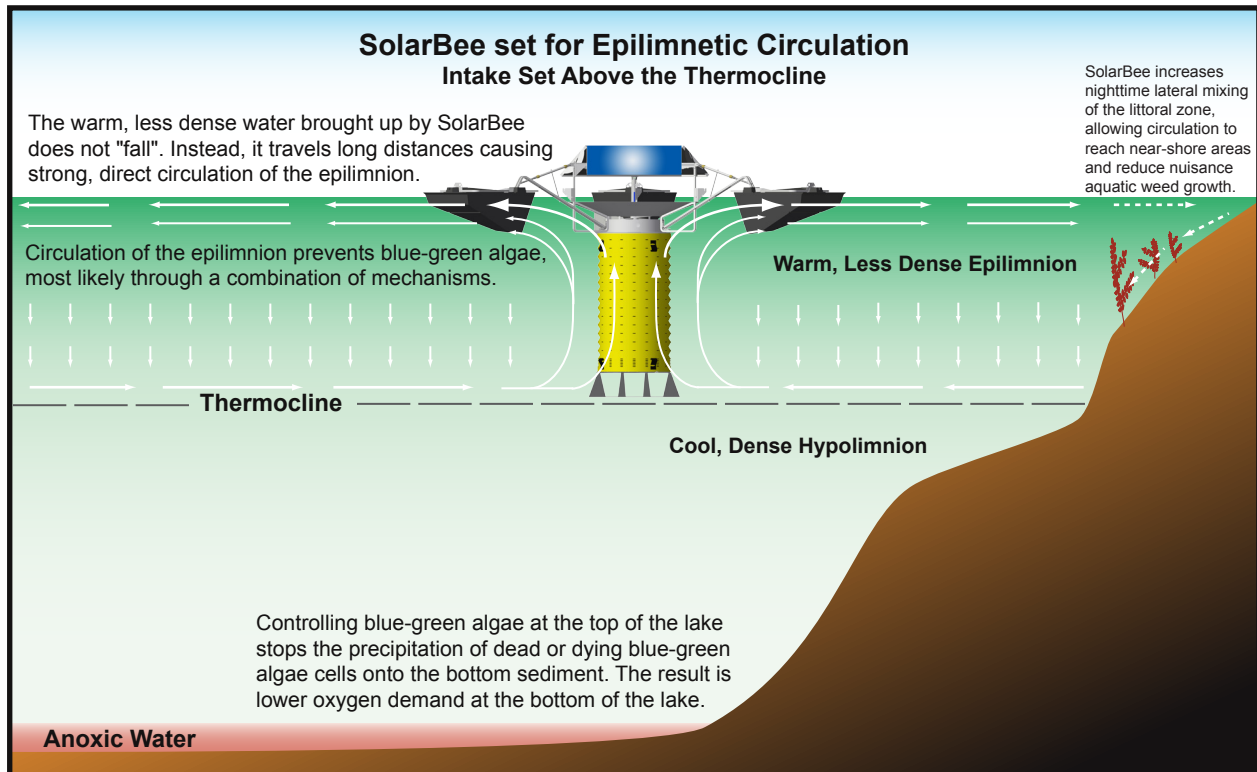


# Mechanisms For Blue Green Algae Control



SolarBee® SB Series Lake Circulators are controlling blue-green algae (cyanobacteria) in nearly 400 waterbodies (and counting) across the United States, Canada, & the world. About 50% of these reservoirs provide source water for drinking water plants and many of these projects are now 5 to 10 years old demonstrating the permanency of the circulation solution.

While the beneficial results are undisputable, the exact mechanism by which cyanobacteria control occurs has been the subject of much discussion both inside and outside of our company. The answer probably involves one or more of the following four mechanisms either acting alone or together in varying degrees from one waterbody to another.

- (1) Mixing helps "good" green algae & beneficial bacteria stay in the light which are then kept cropped down by zooplankton. The lake stays clear and green algae is never out of control.
- (2) The zooplankton population explodes and as good green algae declines from predation, larger zooplankton will feed on cyanobacteria if they have to.
- (3) Cyanobacteria may be killed whenever they are brought up to the surface by SolarBee® circulation. They may become trapped in the surface film and not able to go back down out of the sun.
- (4) Cyanophages (viruses and bacteriophages) may be circulated more evenly throughout the lake killing cyanobacteria.