

# SolarBee®

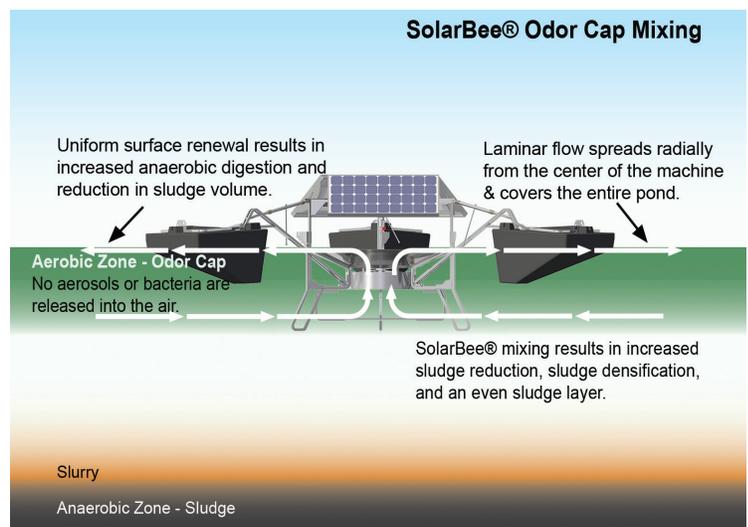
## Sludge Storage Basins & Anaerobic Ponds

SolarBee® outperforms Brush Aerators



### SolarBee®

- Maintains a high dissolved oxygen “odor cap” within the top 2 ft. of the pond 24 hrs. per day.
- Gentle, **near-laminar radial flow** from the center of the pond reaches to all ends of the pond. No turbulence means no BOD is brought up to destroy the odor cap.
- Uniform surface renewal improves anaerobic digestion to reduce sludge volume and increase sludge densification.
- No aerosols or bacteria are released into the air; there is no struvite buildup caused by aerosols.
- Coverage up to 5 acres per machine, stainless steel construction, minimal energy and maintenance costs, 25 year life, SCADA outputs.



### Brush Aerators

- Turbulent flow brings up BOD that can destroy the odor cap and cause odor events.
- The **turbulent flow**, all coming from one end of the pond, does not give uniform surface renewal at the other end. *Turbulent flow is like trying to push a string.*
- Sludge mounding is common. Sludge digestion is inhibited by oxygen intrusion and methane buildup due to lack of constant surface renewal.
- Aerosols and potentially-harmful bacteria are released into the air and can be carried by wind into the surrounding neighborhoods.
- Higher energy and maintenance costs.

