



MIX PHASE

Nutrient-rich (N&P) wastewater and CO₂ are mixed with a blend of biological organisms (Algae) to initiate the recovery of harmful nutrients.

RECOVER PHASE

The mixture travels up through a series of glass pipes (Photo Bio-Reactor or "PBR") allowing photosynthesis to occur. The process consumes nutrients (N&P) and CO₂ and results in clean water and pure oxygen.

SEPARATE PHASE

Advanced ultrafiltration separates the bio-diverse mixture into two streams - a clean water stream and a return activated algae stream. The recycle stream supplies healthy biomass to reseed and treat new wastewater entering the Mix Phase. Surplus biomass can be sold into multiple, diverse markets.

System process and controls mimic traditional activated sludge plants.