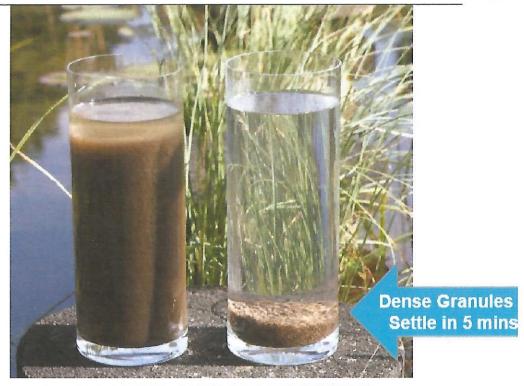
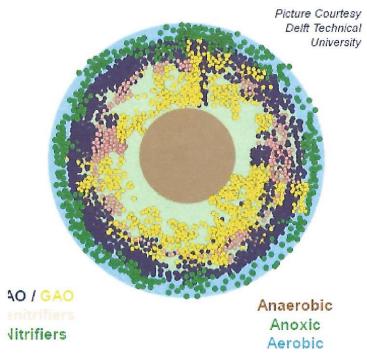
Aerobic Granular Sludge







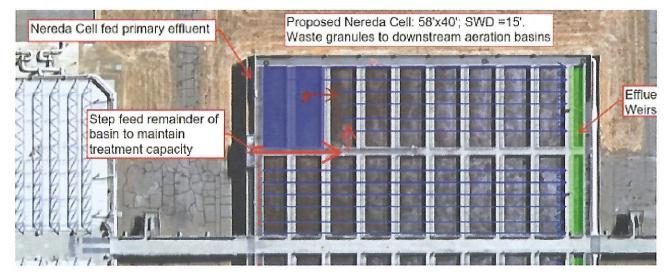


Aerobic Granular Sludge

Layered Microbial Community

AECOM

Fairfield-Suisun Demonstration Site





- Utilize Existing Aeration System (Blowers and Diffusers)
- Add Influent Distribution Grids and Effluent Weirs
- No Other Equipment or Chemicals

Full Scale Demonstration Goals

- Reliable Nutrient Removal
- Stress Test and Optimize
- Energy Efficiency and Low Cost
- Suitability for US (Bay Area)
- Quantify Capacity
- Regulatory Acceptance
- Effect of Shallow Tanks

Budget, Timing & BACWA Role ...building a consortium

Water Research Foundation

Water Research Foundation Collaboration

- Tailored Collaboration Program with WRF to demonstrate AGS at full scale "Good Housekeeping Seal"
- AECOMs Pre-Proposal Accepted
- Up to \$100K in matching funds
- Goal Secure partners & submit proposal for full scale demonstration by May 1st ...or as soon as possible thereafter

Proposed Sources			Proposed Uses	
	WRF	\$100K	 Retrofit Cost ~ 80%)
•	BACWA member		 Operating 	
	"Earmarking"	\$300K	Expense ~ 20%	
•	Other (In Kind)	\$200K	Original Figure – May be 2x	K