IRA A. FULTON COLLEGE

	CAPSIONE	
Report Date:	02/25/2019	

Project Status Report: CEEn-2018CPST-010 Team Members: Project Title: Asian Clams Report # 15

1) Summary of technical/non-technical challenges encountered 2) Team approaches & resolutions to overcome challenges Technical: Solutions: Measuring the exact volume of chemical needed to get desired concentration. Buy Fish Tank to observe Clams and see if they open or close. Really small values in the order of .1 mL make it difficult to measure. After careful observation and experience handling clams, team members are able to Find a laboratory that is able measure the residual copper in the solution after tell whether clams are alive or dead. testing. Constant Communication with Matt Dalton to get fresh clams Contact City of American Fork and see if they are willing and able to test sample for • Non-technical: residual copper Determine whether Clams are dead or alive Coordinate with Lehi Water personnel and find time to travel to Lehi at least twice weekly (Monday - Thursday) during work hours to gather sample and reset experiment 3) Status of challenge resolutions & potential project impact 4) Project status & summary • System models are holding well. 3rd Experiment successful. 4th Experiment in • 100% Silicon has been a better sealant for the experiment. Filled all the cracks progress between the wood and the tub. The model tanks are holding well. Procedure are created to follow steps in experiment ■ First experiment successful. High mortality rate for 70 clams at ¹/₈ teaspoon Testing to continue with different concentration of EarthTech. The goal is to find • Earthtec per 90 gal. 70 Clams in the Control Tank were still alive the optimal concentration If American Fork City cannot help determine the residual copper, the team may need to reach out to a private lab.