

Project Status Report: CEEEn-2018CPST-010

Report Date: 02/04/2019

Team: Los Hermanos

Members:
Project Title: Asian Clams Report # 11

1) Summary of technical/non-technical challenges encountered

Technical:

- Redesigning the water tank if failure continues

Non-technical:

- Prototype tank experience a failure due to uneven water pressure
- Water tank is failing each that is being tested currently on 5th attempt
- Having to reschedule the testing phase due to delays

2) Team approaches & resolutions to overcome challenges

Solutions:

- Keeping a tight schedule to makeup for loss time
- Set up experimental system to simulate constant flow and disperse chemical.
- Communicating everyday until the water tank is ready
- Close communications with Dave and Rodney in helping out with the water tank

3) Status of challenge resolutions & potential project impact

- How to travel to Lehi at least weekly for the experiments
- 100% Silicon has been a better sealant for the experiment
- Pumps have been has an ideal flow for the experiment
- Finishing the construction of the control and treatment tanks.
- Finding time to start setting up the experiments
- If water tank can withstand testing, then analytical research can start

4) Project status & summary

- Now using 100% silicon 24 hour caulk
- Obtain IV bags to have a continuous dosage of EarthTec
- Procedure are created to follow steps in experiment
- Testing for water tank is still undergoing
- ALternative water tank design are being debated and considered
- EarthTec sample is secured in Lehi's City office
- Testing the water tank for the 5th time