

Project Status Report: CEE-2018CPST-009

Report Date: March 18, 2019

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Project Title: Sewer System Consolidation

1) Summary of technical/non-technical challenges encountered

- The process of sizing a pump has been more difficult than expected, partially due to team members' unfamiliarity with calculating I&I (Inflow and Infiltration).
- Team Leader has been very sick lately and communication has been lacking between him and the team.

2) Team approaches & resolutions to overcome challenges

- Team has received tips from the sponsor and is soliciting help from a BYU professor.
- Team has continued to reach out to Team Leader via multiple means.

3) Status of challenge resolutions & potential project impact

- Because the deadline is fast approaching, the team has decided to make some assumptions and use them to size the pump unless flow data is able to be obtained from the mobile home community.
- Communication is still weak; team has assigned a new member to be the team's contact with the project sponsor.

4) Project status & summary

- Cost analysis has been completed (correct numbers from the results of the WaterCAD model still pending).
- Team is close to completing the task of sizing a pump; WaterCAD model will soon follow.