

Project Status Report: CEEEn-CPST-0 16

Report Date: 10/19/20

Team Members: Oliver Curtis, Sam Petersen, Durham Cleere, Ben Meek

Project Title: A Child's Hope Foundation Mexico Project

1) Summary of technical/non-technical challenges encountered

- In terms of technical challenges: we are in the middle of sifting through a large amount of technical information to determine the best solution for a sustainable wastewater treatment process. Compiling, reviewing, and summarizing this data is proving to be a significant task but is critical to identifying a right-sized solution.
- We encountered scheduling issues during this reporting period due to conflicting midterm schedules; this made it difficult to meet as a team.

2) Team approaches & resolutions to overcome challenges

- Our approach to rapidly developing a conceptual process design so we can move forward with developing a funding proposal is to leverage flexible workload planning between our team members; this includes assigning concurrent tasks as to try to shorten critical path item durations.
- Further definition of project scope (especially in relation to Mexico Team #2) will allow our team and the other Mexico team to leverage efficiencies. We will need to improve inter-team communication to facilitate this.

3) Status of challenge resolutions & potential project impact

- Because it is necessary to first have a conceptual design developed such that we can determine a preliminary cost estimate, we anticipate that we will be able to submit the funding proposal to the Sterling Foundation by mid-late November. This is contingent on selecting a treatment process, assembling conceptual schematics and materials quantity take-offs, and compiling a cost estimate for inclusion in the funding proposal.
- More effective team communication is needed to eliminate project team scheduling constraints.

4) Project status & summary

- The team is compiling and reviewing design resources to determine the best conceptual solution for the client in terms of capital investment, recurring operating requirements, and technical project objectives. A scoring matrix is being developed to select the best on-site wastewater treatment process.
- The funding proposal is in the draft stage and is being developed for submittal to the Sterling Foundation. Completing the proposal requires that a conceptual level design and cost estimate be developed; these are on the critical path and are successor tasks to the currently in-progress technical process literature review.

10/19/2020

Please enter # of hours spent on project this last week for each team member in the order listed above

Member #1: 5

Member #2: 3

Member #3: 2

Member #4: 2.5