

Project Status Report: CEEEn-2019CPST-014

Report Date: 02/24/2020

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Project Title: Mapleton City Well Source Protection Plan

1) Summary of technical/non-technical challenges encountered

- We are still in need of the pumping rates for each well to use for the water modeling.
- Various values for the WhAEM model need to be obtained for accurate modeling.
- We were unable to meet with Steve Lord as planned.

2) Team approaches & resolutions to overcome challenges

- We will have reach out to faculty to seek help running WhAEM and Dr. Jones was able to get us moving in the right direction to setting up a working water model. We still need to work through the tutorial provided in the program.
- We will stay in contact with Mapleton City to ensure that we get needed information in a timely manner.

3) Status of challenge resolutions & potential project impact

- We have given a preliminary list of needed information to Steve Lord and we are currently waiting for it.
- RB&G and the Department of Water Quality have sent us the previous reports and data that they agreed to send us. Some of the information we needed was lacking but we were able to obtain everything relevant that the Department of Water Quality had on hand.
- We continue to review the previous reports we've been given.

4) Project status & summary

- We have started pulling necessary parameters for the water model from a previous protection plan. With this we have started to get a preliminary model of the ground water flow. We now have a clearer direction of where we need o go with the water model. We have received a surplus of information from RB&G and the State Department of Water Quality that should contain a lot of the data we need.