**Environmental Engineering Design Project: Build and Test Phase**

This form needs to be completed and typed either in Word or Google Drive **while** you are working in class today. It should be submitted to Mr. Rourke either through email or Google Drive **before** you leave class today.

Build and Test Record Form

1. Briefly describe the process you will follow to clean the unfiltered water.
2. Identify key components of your system.
3. Is your system a multi step filtration and sanitizing system? If so, describe the processes occurring at each step.
4. Before you begin building, determine the tests necessary to qualify the water as safe drinking water.
5. Before you begin building, are you equipped to handle all the filtering and sanitizing necessary to produce safe drinking water?

4 Mandatory Water Tests

Your team needs to have a minimum of 4 water quality tests as part of your final presentation. The more tests completed, the higher your grade on that section of the presentation – though a minimum of 4 are required.

Your team may choose from the following:

* Turbidity
* pH
* Dissolved Oxygen
* Phosphates
* Nitrates or Ammonia
* Free Chloride
* Conductivity
* Micro organisms
* Sulfates or Sulfides
* Other (I may have over looked an important test)

3 Goals for Next Week

1. Include what you need to do and how you will do it
2. If a division of labor is necessary, explain who will be doing what and when they will be finished with their tasks
3. Will you need to bring in any extra materials, if so, what are those materials?