

Clay Pot Spring Semester Meeting Minutes

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Wednesday, February 27, 2008

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Setup Apparatus

- Use FCM column from last semester
- Hook up pressure sensor to bottom of column

Process Controller

- Gemma will setup program to empty column when full
- Regulate data through PC

For Next Week

- Get setup complete
- Make sure PC is regulating data and emptying column when necessary
- Start running first background experiments

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Wednesday, March 5, 2008

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Process Controller

- Gemma and Ian set up the process controller over the weekend but empty state was not working correcting and the value shut off after it opened.
- Monroe helped solve the problem by creating a new empty state
- Problem with previous old state unknown

Running Experiment

- Filled the bucket and set up the automated process controller to collect data
- Pressure data is being collected per second

Next Week

- Analyze collected data
- Make necessary changes to set up (position pressure value so it cannot be moved)
- Run test with the known initial level of water in clay pot

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Wednesday, March 12, 2008

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New Setup

- Attached pressure sensor at the bottom of collection bucket
- Will manually empty bucket when it fills
- Determined that the clay pot will not affect the water level in the collection bucket

Process Controller

-Fixed pressure sensor issue (pressure not being recognized by process controller)
-Deleted "Empty" state
-No longer automated, locked in manual "data collection state"

Next Week

- Have several runs of data
- Analyze data

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