Solid and Hazardous Waste Management (#2)

Mindfulness

Any thoughts or questions?

Where we're at

Elizabeth's introduction and slides

Learning objectives

1. Define solid waste.
2. Define hazardous waste.
3. Identify and define the solid and/or hazardous waste streams in different project areas.
4. Generate exploratory intervention ideas related to different project areas.

Review from Tuesday

- Is everybody feeling okay with the collective feedback and grading plan?

Review from Tuesday: interventions have consequences

- Everything is interconnected.
- The interventions we make and solutions we design impact behavior and decision making.
- We should consider the potential consequences of our designs/interventions/actions.

Review from Tuesday: some initial definitions of waste

- Definition of waste as "stuff we can no longer use."
  - "we" can be different people/systems/ecosystems/etc.
  - nice solutions connect one "we's" waste with another "we's" food/resource/etc..
- What about the "solid" part?
- What about the "hazardous" part?

Somewhat related to definitions: how do project topics fit in with EEE curriculum?

- Goal is to work on projects and learn material you might not be able to learn elsewhere in the EEE curriculum.
  - EAEE 4210 THERMAL TREATMNT-WASTE/BIO MAT
  - EAEE E4150 AIR POLLUTION PREVENTION/CONTR
  - EAEE E4951 Engineering systems for water treatment and re-use.
  - EACE E4163 Sustainable Water Treatment and Reuse.
  - EAEE E4950 ENIVRON BIOCHEMICAL PROCESSES

Group activity

- Introduce yourselves (names and pronouns)
  - Share your project ideas, topics, and/or questions and confusion
- Discuss your project idea/topics (starting with one), using your group's collab doc linked on the website as a guide:
  1. What are the waste(s) you are working with?
  2. Are the waste(s) solid? And/or under what conditions are they solid?
  3. Are the waste(s) hazardous? And/or under what conditions are they hazardous? To what/whom are they hazardous?
  4. Are there any other systems that could use the waste(s)? What processes/transformations would improve utilization?
  5. What are some possible interventions or culminating deliverables for this project?
- Do you want to dive right in or have me demo this first?

Next activities: choose our own adventure

- Flip through notes on project ideas
- Research approach (google scholar, CLIO, web of science, nypl)
- Take time to fill out survey
- Return to Groups for more project discussion
- Return to Groups for image hunt

Did we meet our learning objectives?

For Tuesday (September 10th)

- **Important**: if you have not already, fill out the survey by tonight.
- Expect an email from me Friday or Saturday introducing your groups.
- Read through your group-mates' responses and think about project ideas for Tuesday's discussion.