

ENVE 3030 SOLID WASTE ENGINEERING TERM PROJECT

Due May 21, 2019 16:00

Projects will be checked on May 22, 23 and 24, 2019

Design a composting facility for the food waste collected separately in XXX city and prepare a report covering the following items:

1. Amount of the food waste to be composted
2. Pre-processing operations
3. Composting technique (windrow, static pile or in-vessel) chosen
4. Land area and units (incl. offices, storage, etc) required
5. Location on map
6. Facility layout (including all units)
7. Capital cost
8. Aeration requirement and number of aeration equipment
9. Post-processing operations
10. Use of compost product

Rules and guidelines

- You may do the project in groups of maximum 3 students
- Choose your city from the [Doodle list](#) until May 03, 2019 (17:00).
- Same city cannot be chosen by two groups
- Assume realistic MSW generation rates
- Cite all your assumptions
- Prepare a project report of maximum 4 pages (double-sided two sheets)
- Prefer to present the results using summary tables and/or graphs
- Repeat students who have formerly prepared a term project are not obliged to prepare a new one