

CE 326 Principles of Environmental Engineering
Field Trip
Ames Water Treatment Plant

Meet at the main entrance of the Ames Water Treatment Plant at half past the hour of the scheduled lab period. There is additional parking behind the building.

Based on your visit to the plant, write a report on the operation of the facility. Briefly discuss the processes used to treat the water. Include in your discussion answers to the following:

1. What is the source water for the plant?
2. What treatment chemicals are used in processing the water and what are they used for?
3. What residues are produced in treating the water and how are they disposed?
4. Draw a flow diagram. Indicate where the chemicals are added and where residues are removed.
5. Based on published information from the plant, how much water does the average family of three use per year? At what cost? What would be their combined water and sewer rate?

Directions:

