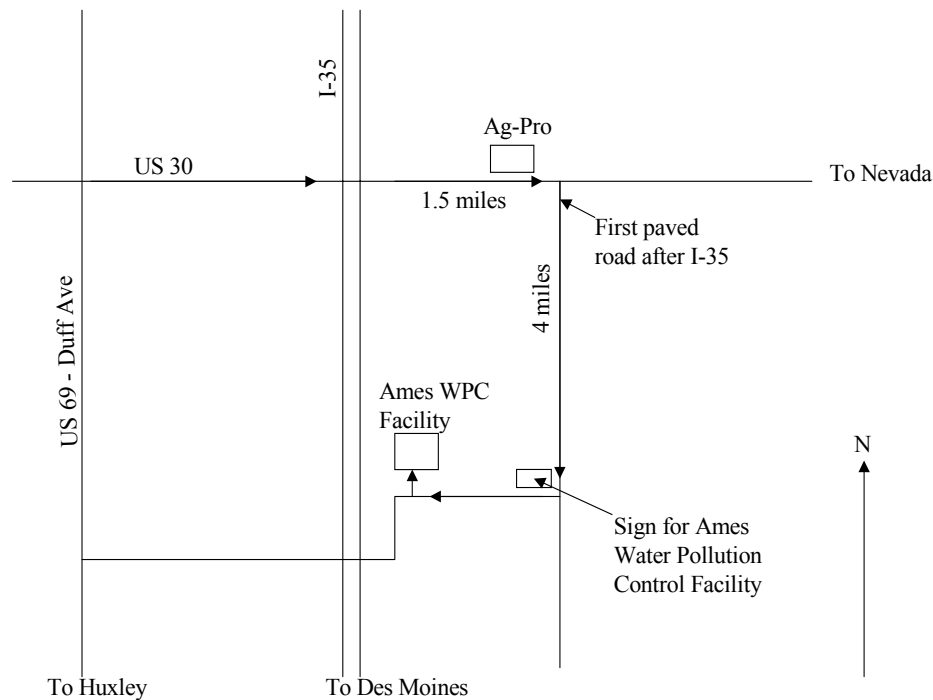


CE 326 Principles of Environmental Engineering  
**Field Trip - Ames Water Pollution Control Facility**  
Meet at the Plant 30 minutes after the scheduled lab time

Directions: Take US 30 East. Go past I-35. Turn right onto first **paved** road. It will be about 1.5 miles after I-35, right after the AgriPro building. Go south on that road approximately 4 miles. Turn right at the sign to the Ames Water Pollution Control Facility. You will see the plant on the right. The tour will take approximately one hour.

Report: Based on your visit to the plant, write a report (about 1 page) on the operation of the facility. Briefly discuss the processes used to treat the wastewater. Include in your discussion answers to the following:

1. What are the major contributors of wastewater flow to the plant?
2. What types of pollutants are removed at the plant?
3. What residues are produced in treating the wastewater and how are they disposed?
4. What treatment chemicals are used in processing the wastewater?
5. Draw a flow diagram. Indicate where residues are removed and where the chemicals are added.



**Alternative Assignment.**

Write an in depth essay (2-3 pages) on a current environmental topic. Pick a feature article from a recent newspaper, trade magazine, or research journal.