

AAR Summa Technology
June 15 – 19, 2009

Pat Floyd – Educator Exchange Program

Lesson Plan – Environmental Health and Safety Regulations

Objectives – Students will:

1. Explore the various health and safety regulations that are used in today's plant workforce.
2. Be familiar with EPA, ADEM, and OSHA.

Procedure:

1. Begin this lesson plan by discussing the different types of health and safety regulations that plant operators must abide by. Ask how many students have parents that work in local plants that have ever discussed any of these regulations with them.
2. Invite an Environmental Health and Safety Manager from a plant to come to speak to your students about EPA, ADEM, and OSHA.
3. Have students to talk to plant employees about how safety regulations are implemented where they work.
4. Have students research plant safety regulations that include responses to the following questions:
 - What is the difference between EPA, ADEM, and OSHA?
 - Is documentation a requirement for storage, hazardous materials, and wastewater treatment?
 - How are plant inspections conducted?
 - Is safety training required for all employees?
 - Who is responsible for maintaining the environmental compliance through reporting all required information to the local, state and federal agencies?

Evaluation:

Each student will write a one-page report about a health and safety regulation that they think is the most important and why they feel this way.