BASF Water/Wastewater Seminar

**Date & Time:** June 16-17, 2015, 8:00 to 5:00 CST

**Lunch:** Light Lunch Provided

**Location:**
BASF Corporation,
100 Bridgeport RD
W. Memphis, AR 72301

**Site Contacts:**
- Kelly Nelson 870-702-5298 kelly.nelson@basf.com
- Peter Henige 870-702-5386 peter.henige@basf.com

**Summary**
BASF Corporation, W. Memphis, in conjunction with the Arkansas Environmental Training Academy, is sponsoring a 2 Day Water/Wastewater Seminar June 16-17, 2015. This Seminar has been approved for 16-hours of Direct training by the Arkansas Department of Health and the Arkansas Department of Environmental Quality for Operator License renewal is (Open to Public)

**Register with** --- BASF Site Contacts (See above)

**Course Approvals:**
The BASF Training Seminar is approved for 16.0 direct training hours by the Arkansas Department of Health and the Arkansas Department of Environmental Quality for:

- Water License Renewal (must attend all day to receive credit)
- Wastewater License Renewal (must attend all day to receive credit)
Course Syllabus

**MAINTENANCE ACTIVITIES AND STRATEGIES INVOLVING WATER TREATMENT SYSTEMS**

BASF maintenance coordinator will review the maintenance program for the water equipment. How is maintenance scheduled? What software is used? How a preventive maintenance schedule helps with maintaining the system? What is the capital Plan? Items included will be the following programs

- Lockout Tagout, Confined Space, Guarding, Electrical Safety
- The Following Equipment will be covered
- CHLORINATORS, PUMPS, BLOWERS, DIFFUSORS, WATER SOFTENERS, DEIONIZER’S, IRON FILTERS, ETC.

**Current Water Research**

Arkansas State Students will present short presentations on their current water research. ARKANSAS STATE MASTERS STUDENTS UNDER THE DIRECTION OF Jennifer L. Bouldin, PhD

**WATER TREATMENT CHEMICALS CHEMISTRY**

BASF offers a wide range of solutions and products for the water, oilfield and mining industry. The product range of Global Water Solutions includes products used in the key processes of industrial and municipal water treatment. The business is a leading supplier of products to clarify the raw water used for the production of drinking water, to treat the waste water stream and industrial process water, to protect desalination plants, cooling towers and boilers.

**WATER TESTING WHAT DOES THE TESTING MEAN**

Will cover most of the Testing and why it is important. Will cover pulling samples for both Wastewater and Potable Water. Various test to measure chlorine. Common mistake that are made and how they impact results. Why and how to eliminate error. On the waste water side- Would have GTW explain their process for Testing - Oil and Grease, BOD. Difference between BOD and COD, Why are there different tests. Test and samples to be covered

- pH -- oil and Grease -- BOD—COD --Metals in wastewater --Bacterial -- Copper and Lead
- Wet Testing, DO, DOH Various Water Samples Organics, inorganics, radionuclide, etc

**WATER CHEMICAL GHS AND HAZARD COMMUNICATION**

Peter Henige will cover the requirements of Hazard Communication and the new Global Harmonized Standard (GHS) and the impacts to current training and labeling. What do the new labels mean. Examples of labels and SDS will be reviewed. Some of the chemicals to be covered

- Chlorine, Caustic, NH3, Polymer, Acid Bleach lime perlite, bio-slurry etc.

**COMPLIANCE STRATEGIES & FORMS**

Kelly Nelson will present several tools used to meet and provide continuing compliance to various water regulations. She will showcase and demonstrate several of the following tools

- Potable Water Compliance Maps and Sampling Plans
- Waste Water Compliance Maps
- Regulatory Reports DMR, DMR QA,
ULTRAFILTRATION
BASF has a partnership with Inge GmbH. Inge GmbH develops innovative ultrafiltration technologies used in the treatment of drinking water, process water, sea water and waste water. Our systems purify water by reliably removing bacteria, viruses, particles and suspended solids. Our goal is to set new standards in the field of ultrafiltration in order to develop exciting new solutions and safe, reliable applications.