

## CIBA SPECIALTY CHEMICALS PROJECT 1200

**PROJECT:**

FLUOR / CIBA Specialty Chemicals  
Project 1200

**JOB SITE LOCATION:**

CIBA Specialty Chemicals  
West Memphis, AR

**OWNER:**

CIBA Specialty Chemicals  
100 Bridgeport  
West Memphis, AR 72301  
*Point of Contact:* Horace Sullivan  
T 870.735.8750

**GENERAL CONTRACTOR / ENGINEER:**

Fluor Daniel, Inc  
100 Fluor Daniel Dr  
Greenville, South Carolina 29607  
*Point of Contact :* Ralph Gumpert  
T 864.281.4400

**SUBCONTRACTOR:**

Koontz Electric Company, Inc  
1223 E Broadway  
Morrilton, AR 72110  
T 501.354.2526  
F 501.354.2580

**INITIAL MOBILIZATION / COMPLETION DATE:**

January 1999 / September 1999

**SUB CONTRACT AMOUNT:**

\$3,133,509

**SCOPE OF WORK:**

Koontz Electric was a subcontractor to Fluor Daniels, who had 'Design/Build' responsibilities for this 'green field' chemical process plant. This new eight story plant produces chemicals used as an additive in water treatment processes. Koontz Electric was awarded both power / lighting and instrumentation and controls.

This new plant is fed with a primary service, 13.8kV. This is stepped down to 4,160 and 480 volts. The 4,160 serves two 800 hp chillers. The 480v, 3,200 amp service supplies the balance of plant loads, including (75) pumps. The 480v distribution system is backed up by a 450kW generator for critical loads. All power cables leave the control block in cable tray to their final load.

The instrumentation included over 1200 field devices, such as control valves, smart pressure transmitters, smart vacuum transmitters, flow transmitters, limit switches, etc. Koontz personnel bench calibrated all new instruments, field installed and assisted in loop check and system commissioning. Koontz also installed several thousand feet of ½" instrument air header, stainless steel tubing, and poly tubing. All of the instruments are connected to an APACS Moore SCADA System. Koontz Electric installed the APACS equipment and terminated all cables.

