

# Completed Wastewater Treatment Plant Designs

Services Provided: Electrical, Mechanical and Automation System Design

## Tyson Foods, Inc.

Sedalia, Missouri  
Center, Texas  
Harmony, North Carolina  
Cummings, Georgia  
Grannis, Arkansas  
Noel, Missouri  
Temperenceville, Virginia



Project included expansion of the existing 12.47kv primary system including specification of the 15kv switch and padmount transformer. Approximately 800 hp was added to a new motor control center with many of the loads being controlled by variable frequency drives.

Glen Allen, Virginia  
Shelbyville, Tennessee  
Sedalia, Missouri  
Monett, Missouri  
Hope, Arkansas  
Scranton, Arkansas  
Harmony, North Carolina  
Waldron, Arkansas  
Cummings, Arkansas

Environmental Engineer: Reid Engineering Company, Inc.  
Fredricksburg, Virginia



## Perdue Farms

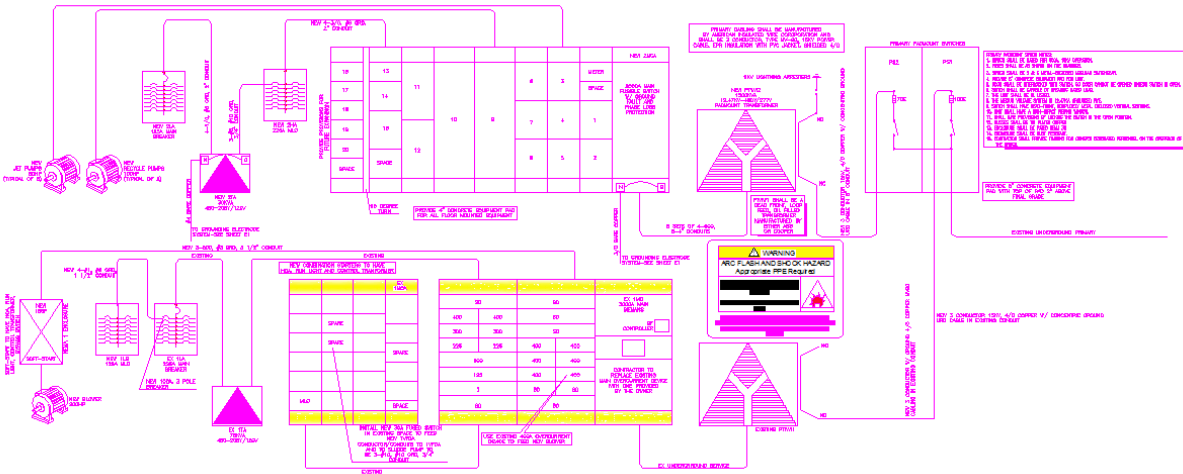
Accomac, Virginia  
Dothan, Alabama  
Showell, Maryland  
Georgetown, Delaware  
Cromwell, Kentucky  
Lewiston, North Carolina

An extensive renovation and expansion of this large wastewater plant. Work included the addition of 1300 hp which necessitated expansion of the existing motor control centers and several new

motor control centers. A complete SCADA system was also a component of this project

Dillon, South Carolina  
 Accomac, Virginia  
 Georgetown, Delaware  
 Perry, Georgia  
 Rockingham, Maryland

Environmental Engineer: Reid Engineering Company, Inc.  
 Fredricksburg, Virginia



**Smithfield Foods**  
 Tar Hell, North Carolina  
 Souderton, Pennsylvania

**Campbell Soup**  
 Maxton, North Carolina

**Valley Proteins**  
 Ward, South Carolina  
 Baltimore, Maryland

**Frito Lay**  
 Jonesboro, Virginia

**Darling International**  
 Wahoo, Nebraska

**Triumph Foods**

St. Joseph, Missouri

**Wayne Foods**

Danville, Arkansas  
Dobson, North Carolina

**Fort A.P. Hill, Virginia**

A large generator was added to this military base to back up most of the existing wastewater facility.

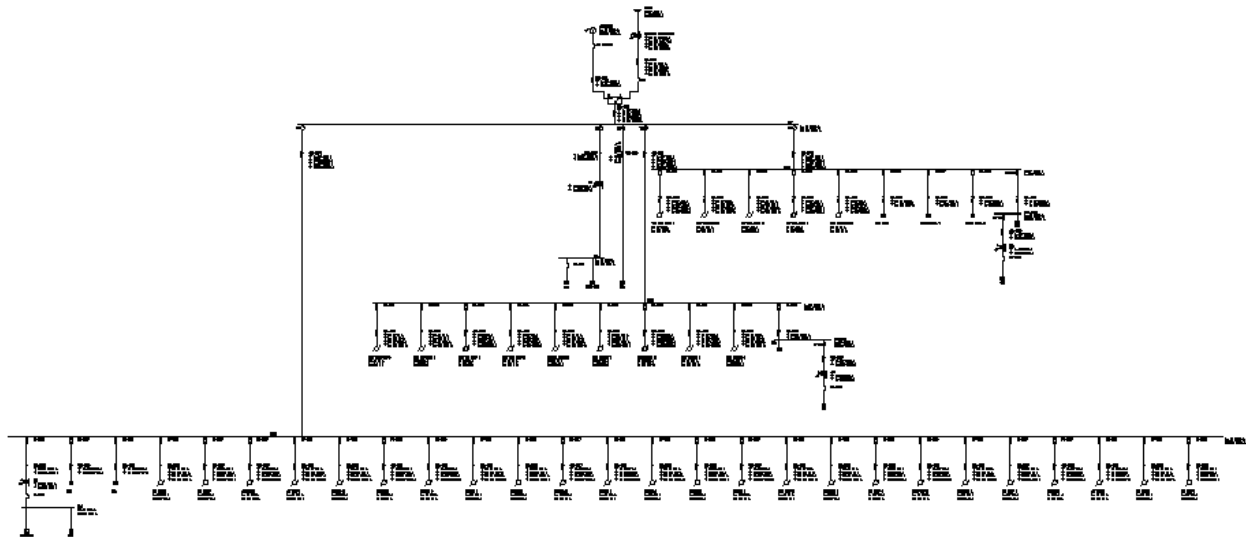
**Town of Luray - Luray, Virginia**

This was a major expansion of an existing municipal wastewater plant. The project included a new service entrance, motor control center additions, site lighting, building lighting, a new fiber optic system and a new SCADA system.

**Town of Colonial Beach - Colonial Beach, Virginia**

**Town of Hurlock - Hurlock, Maryland**

**King William County - King William County, Virginia**



**FAULT CURRENT STUDY**

**Imperial Sugar - Sugarland, Texas**

**Culpeper County - Culpeper County, Virginia**

A new wastewater plant to serve a highly urbanized county in Virginia. A 3000 amp service entrance and a 1200KW generator were the sources of power on this project. Design services also included fault current analysis, overcurrent device coordination, arc flash analysis and a SCADA system to control and monitor the wastewater plant.

**Mckee Foods**

Stuarts Draft, Virginia  
Collierville, Tennessee

**OK Foods, Inc.**

Fort Smith, Arkansas  
Heavener, Oklahoma

**Associated Milk Producers, Inc.**

Sulphur Springs, Texas

**CBP Resources - Gastonia, North Carolina**

Complete electrical/mechanical design services were provided on these waste water treatment facility projects.

