

R.T. Patterson Company, Inc.

Engineers and Consultants

CLIENT

US Steel – Fairfield, AL
Lexicon, Inc. – Little Rock, AR

PROJECT

EAF Miscellaneous Support Projects

PROJECT SCOPE

In conjunction with the installation of the new EAF project at the Fairfield, AL Works, RTP was contracted to provide Engineering Services for several EAF support activities after the facility was idled for approximately 3 years. RTP provided the Engineering Services in conjunction with Lexicon, Inc. providing the installation.

The following projects were completed:

- Scrap Yard – Electrical Power Distribution, Lighting, Truck Scale Arrangements & Radiation Detectors
- EAF Alloy Dust Collection System
- LMF / VTD Off-Gas System
- EAF Dust Loadout System
- EAF Baghouse Air Compressor System
- EAF Off-Gas Radiation Detection System
- EAF Slag Spray System
- ASU Plant Utility Coordination
- EAF E-Stop Design Modifications and Panel Designs
- Level II & Business Network Design
- Ladle Tracking System



RTP SCOPE OF WORK

RTP provided the following Engineering Services:

- Project Engineering
- Field Investigation and inspection
- Process Design
- Demolition Drawings
- General Arrangement and Layout Drawings
- Foundation Designs and Drawings
- Structural Designs and Drawings
- Process / Utility piping design and Installation Drawings
- Evaluate Existing Water and Gas Systems
- Develop Material Specifications
- Electrical Design & Installation drawings Complete with Cable / Conduit Schedules
- Specify New Power Distribution Equipment for New Equipment
- Update Drawings for Existing Control Desks and Operator Panels
- Develop New Network Diagram
- Equipment Specifications, Bid Packages, Proposal Evaluations & Purchasing Recommendations
- Coordination of Vendor Designs and Deliveries
- Construction Assistance

