

R.T. Patterson Company, Inc.

Engineers and Consultants

CLIENT

ST Equipment & Technology LLC
York Haven, PA

PROJECT

Upgrade of Brunner Island Land Fill
Fly Ash Plant Facility



PROJECT SCOPE

Upgrade of an existing fly ash material handling system located at the Brunner Island Land Fill Feed Ash facility within the Brunner Power Plant facility. This project was a collection of both new and used equipment integrated into the updated existing process. Major equipment associated with this project includes the following:

- Product Cyclone
- Product Dryer Scott AST 4214
- Product Dryer Propane Burner System
- Dryer Filter MAC Filter
- Dryer Filter Pulse Air Blower PD Blower
- Live Bottom Feed Hopper
- Dryer Screw Feeder
- Dryer Fan
- Dryer Stack
- Dry Ash Rotary Flow Valve
- Educator w/ PD Blower
- New Feed Silo – 100 tons & structural supports
- Dry Ash Transfer Pump (FK pump)
- Rotary Airlock

RTP SCOPE OF WORK

RTP provided the following engineering services:

- **Project Management** of the design update
- **General Arrangement** plans and elevations of new and used equipment
- **Foundation Design**
- **Structural Design** for equipment supports and miscellaneous pipe supports
- **Piping Design** for process changes; piping plans, elevations and sections
- **Electrical Design** for power, control and signal cables
- **Development** of the Construction Installation Specification/ Bid package

