

CHARLESTON RESOURCE RECOVERY FACILITY OPERATIONS MONITORING

Charleston, South Carolina

CLIENT:

County of Charleston, SC

PROJECT FEATURES:

- Monthly operations monitoring reports including review of operating data, costs and revenues
- Semi-annual inspections and reporting
- Evaluation of equipment replacement, modification, and renovation undertaken by the operator for compliance with Clean Air Act Amendments
- Economic and financial analysis of requirements of the Service Agreement



PROJECT REFERENCE:

Mr. Richard T. Field, Operations Director
County of Charleston
Solid Waste Department
13 Romney Street
Charleston, SC 29403-3844
(843) 820-7111

ARI is providing consulting services for operations monitoring of the Charleston Resource Recovery Facility. This 644 ton per day waste-to-energy facility is part of an integrated solid waste management system serving the County.

During semi-annual inspections of the facility, ARI observes the condition of each combustion train and assesses the conditions of the entire facility. Preventive and corrective maintenance activities performed by the contract operator of the facility during the outage are reviewed. A comprehensive inspection report is provided for each inspection.

ARI observes the annual performance testing that is conducted to demonstrate compliance with emissions limitations.

ARI also reviews annual and semiannual emissions reports and ash characterization test results.

ARI reviews monthly boiler capacity figures, export steam production and electric power output, and calculates boiler and overall facility thermodynamic efficiency.

ARI annually calculates updated values of indices and performance measurements that are critical to project expenses and revenues. The calculations are submitted for review by pertinent parties and incorporation into monthly reports.

ARI reviews revenue calculations for export steam and electric power for accuracy. Revenue distribution between the County and the contract operator are checked and tabulated.

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ARI

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