

CEMS

PROJECT: Continuous Emission Monitoring System

CLIENT: Boston Generating – Mystic Station, Everett, MA and Fore River Station, Weymouth, MA

Epsilon provided general CEMS and air compliance support for a 565MW dual-fuel boiler unit, six natural gas-fired combined cycle units and a peaking turbine. We developed a QA/QC Plan, and prepared a monitoring plan for boiler unit CEMS. We ensure conformance with applicable monitoring, reporting, recordkeeping, quality assurance and other regulatory compliance activities, and perform maintenance on GE/NetDAHS system to ensure data integrity, including periodic data evaluations, data flow mapping and assistance with DAHS configuration changes. Responsibilities include generation and evaluation of quarterly Electronic Data Reports (EDRs), and guidance on quarterly excess emissions and monitoring performance reports (EEMPRs).



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CLIENT: Indeck Energy Facilities, NY



Epsilon prepared NOx Budget Monitoring Plans for Indeck’s six New York power generating facilities. We conducted two-day multimedia environmental audits and developed Environmental Tracking and Management Systems (ETMS) at four facilities.

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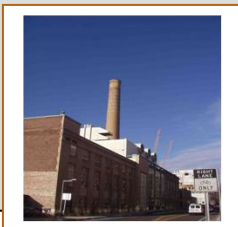
CLIENT: FPL Energy Marcus Hook Cogeneration Facility, Marcus Hook, PA

Epsilon provided general ongoing CEMS and air compliance assistance during commissioning and operation of a 750 MW cogeneration facility. The facility consists of three combined cycle combustion turbines with duct firing and four auxiliary boilers, each combusting natural gas and/or refinery fuel gas. Assistance was provided in the areas of notifications, initial certification, conditional data validation, alternative monitoring approaches, Part 75 monitoring plan development, Compliance Assurance Monitoring Plan, DAHS configuration review, and Title V permit applications, among others. Other activities include generating and evaluating quarterly Electronic Data Reports (EDRs), NSPS and state reports, preparing annual PA emission statement and performing periodic data evaluations & GE/NetDAHS maintenance as required.



PROJECT: Continuous Emission Monitoring Systems (CEMS) and Permitting

CLIENT: Massachusetts Institute of Technology, Cambridge, MA



Epsilon provided ongoing CEMS support and training including the preparation of state and federal air compliance quarterly reports for its 22 MW cogeneration facility. We developed a CEMS Quality Assurance/Quality Control Plan, updated the facility’s monitoring plan and assisted with its Title V application, new state Opacity regulations, and CEMS modifications. We prepared permit application for a 2,000 KW emergency generator for the renovated 500 Technology Square Building.