



PECO/EXELON

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**OWNER**

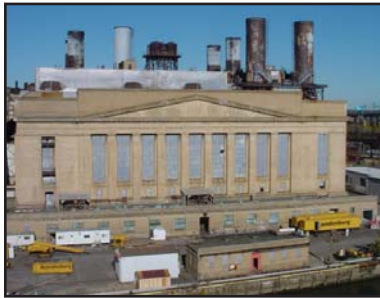
Exelon Business Service Co.

**LOCATION**

Philadelphia PA

**FACILITY TYPE**

Boiler house



**PROJECT BACKGROUND**

Richmond Steam Generating Station, built in 1924 by the Philadelphia Electric Company (PECO), served the Philadelphia metropolitan area as a base load electric generating station. It consisted of twelve boilers at the time of construction, was built using state-of-the-art technology, and was capable of producing 732 megawatts of power.

Richmond Station, in addition to Schuylkill and Barbados Stations, were some of the most advanced facilities of their kind in the United States. However, all stations were later shut down in the mid 1980's, (Richmond Station in 1985), when PECO's nuclear power generating stations were brought on line.

In 1999, PECO contracted Brandenburg to perform the asbestos abatement project. The building was offline for 20 years and in various states of disrepair, which posed unique challenges. The project was originally designed by PECO's environmental consultant, so that each phase (26 phases total) would be performed in a separate containment. Brandenburg's engineers reviewed, evaluated, and revised the asbestos abatement plan, and proposed the project to be performed in only two phases utilizing only two containments. This strategy would provide a safer environment and increase productivity, due to minimizing labor and time necessary to set up, remove, and clear three areas versus 26 individual containments. This is still the largest asbestos abatement project performed in the city of Philadelphia, by more than 50%.

Richmond Steam Generating Station is now partially used to house sixty-cycle power directed to NE Philly Amtrak power lines.

**SCOPE OF WORK**

Abated 2552 net tons of friable asbestos from 16 boilers and associated piping

Work performed under strict guidelines as dictated by the City of Philadelphia with aggressive clearance sampling upon completion of work

Project completed within 1% of projected manpower estimate of 70,000 man/hours

Brandenburg introduced alternate engineering methods to minimize employee exposure through innovative utilization of equipment

Project was completed ahead of schedule and without any citations or violations