

IMTT AUXILIARY BOILER UTILITIES-SEPARATION



PROJECT NAME: IMTT Separation Project

PROJECT ADDRESS: Bayonne, NJ

PROJECT DESCRIPTION:

Separation of all utilities that are shared between the facilities' Auxiliary Boilers and the Cogen Plant was required. RCMT provided cost analysis, detailed engineering, design and procurement and installation specifications necessary to build and install the new facilities, equipment, devices and services required to operate the Package Boilers independent of any intermediary.

The installation of a new city water supply and treatment facility was required in order to provide the feedwater needs for the Auxiliary Boiler. The new system included a treated water tank, transfer system and chemical treatment system. Also required was a new separate sewer facility and piping to handle the continuous blowdown flash tank waste, demineralization facility waste and the normal runoff requirements of the facility. Equipment/component foundation requirements and structural foundations and supports were selected in concert with the site's soil conditions and other constraints.

A separate natural gas supply line from PSE&G and a separate kerosene supply line from IMTT's storage facility were provided and included all necessary valving, holding tank (day tank) equipment, piping, controls, metering and instrumentation. All metering and controls systems were of the latest technology and conformed to the existing facilities systems to minimize inventory stores and re-training of personnel.

A new redundant DCS monitoring and control system was specified for a Control Room on the Auxiliary boiler site and included a communication link for future connection to a monitoring station at the IMTT traffic center.

RCMT also performed a separate review of the existing lighting and power distribution system loads (formerly connected to the Cogen Plant) for the auxiliary boilers and deaerator skid equipment. RCMT provided a replacement for the electric distribution equipment and system required for these loads.