

MCGUIRE AFB, NJ UTILITY SYSTEM DESCRIPTIONS

General Base Description: The following information is only an estimate of the size, scope, and general description of the natural gas and sanitary wastewater utility systems at McGuire AFB and is subject to change. McGuire Air Force Base is an active military installation located in central New Jersey, 18 miles southeast of Trenton, 45 miles east of Philadelphia, and 80 miles south of New York City. It is bordered on the west, south, and east by Ft Dix Army reservation. The base is located on 3,528 acres of Air Force owned land. It has 768 buildings with a total of 3,230,000 square feet of commercial type building space and 2,225,000 square feet of military family housing facilities.

Sanitary Wastewater Collection System - The sanitary sewer system consists of 11 lift stations and approximately 254,000 feet of collection lines, which are mostly PVC (4"-12" diameter) and vitrified clay (18'-30" diameter) pipe. The system flow discharges into the Ft Dix wastewater treatment facility. In addition to the collection mains there are service laterals to facilities and approximately 770 manholes.

Natural Gas System - The natural gas distribution system receives gas from a DESC broker to the McGuire AFB Central Heating Plant, and from the Public Service Electric and Gas Company (PSE&G) to all other base facilities that are served by gas. PSE&G currently owns the gas distribution system in the Military Family Housing area. Separate from the Military Family Housing network, there are five major natural gas distribution networks, each with it's own master meter that are available for privatization. There is approximately 226,000 linear feet of distribution lines servicing 50 facilities. The Central Heating Plant distribution is a 14-inch diameter steel pipe with cathodic protection; the remainder is polyethylene pipe between 1 and 6 inches in diameter. Each facility has at least one regulator.

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