

Category Group 82, Heat and Refrigeration.

Overview

1.1. Heating, Ventilating, and Air Conditioning Facilities. Requirements are computed in accordance with UFC 3-410-01FA, *Heating, Ventilating, and Air Conditioning, with Change 3*. All heating facilities are provided with positive methods to preclude discharge of environmental pollutants. This is preferably accomplished by control of fuel used. Where such control is not feasible, provide collection, treatment, and disposal facilities as an integral component of the heating facility. Follow local, state, and federal regulations, and ensure design of pollution control systems is in accordance with the most stringent of the three. See UFC 4-024-01, *Security Engineering: Procedures for Designing Airborne Chemical, Biological, and Radiological Protection for Buildings*; UFC 3-420-02F, *Compressed Air, with Change 1*; UFC 3-430-01FA, *Heating and Cooling Distribution Systems*; UFC 3-430-02FA, *Central Steam Boiler Plants, with Change 1*; and UFC 3-430-11, *Boiler Control Systems*, for additional guidance. Site facilities in compliance with explosive safety standards of DoD 6055.9-Std and AFMAN 91-201.

1.2. Gas Mains. Compute requirements for gas main distribution according to UFC 3-430-09, *Exterior Mechanical Utility Distribution, with Change 1*.

1.3. Facilities covered under Facility Group 82 are: Coal Yard (**CATCODE 821112**), Heating Fuel Oil Storage (**CATCODE 821112**), Heating from Central Plant (**CATCODE 821113**), Heating Facility Building (**CATCODE 821117**), Steam Plant Industrial (**CATCODE 821155**), Steam Facility Building (**CATCODE 821156**), Hot Water Pump Station (**CATCODE 822248**), Condensate Return Pump Station (**CATCODE 822268**), Heat Gas Source (**CATCODE 823111**), Gas Compressor (**CATCODE 823243**), Gas Storage (**CATCODE 823244**), Gas Vaporizer (**CATCODE 823248**), Gas Meter Facility (**CATCODE 824462**), Gas Odorizer Facility (**CATCODE 824466**), Gas Valve Facility (**CATCODE 824468**), Air Conditioning Plant 25 to 100 Tons (**CATCODE 826122**), Air Conditioning Plant Over 100 Tons (**CATCODE 826123**), and Chilled Water Exterior Distribution Line (**CATCODE 827111**). Contact AFCEC/COS or AFCEC/CFT for further information and guidance.