



THE FIRE INSURANCE RATING  
 ORGANIZATION OF N. J.  
 ENGINEERING DEPARTMENT  
 NEWARK 2, N. J.

## Farmingdale Borough Monmouth County, New Jersey

FEBRUARY 15, 1951

**KEY**  
 PROTECTED FIRE ZONE: Shown in Green.  
 NOTE.—Fire protection report on file in Engineering  
 Department of F. I. R. O. of N. J.  
 Elevations range from 50 to 80 feet above mean sea level.  
 Water mains 8 inches and larger in diameter  
 Water mains 6 inches in diameter  
 Water mains 4 inches in diameter  
 Fire hydrants shown thus



Gate valves shown thus  
 Fire house shown thus  
 Fire apparatus designated by symbols thus:  
 (Y) Pumping engine and hose car  
 (H) Hose car  
 (O) Booster tank or tanks on above

## BOROUGH OF FARMINGDALE, MONMOUTH COUNTY, NEW JERSEY.

Population—Census of 1930 was 629.

**IN GENERAL:** A rural community located southeast of Freehold on the Central Railroad of New Jersey and the Pennsylvania Railroad. There are two plants which employ about 70. Area 0.57 square miles. Elevations range from 50 to 80 ft. Transportation to neighboring communities is afforded by railroads and bus lines. Main roads improved, others gravel in fair to good condition. Railroad crossings at grade are said never to have interfered with response of fire apparatus.

**WATER SUPPLY:** Water for domestic and fire protection purposes is furnished by the borough which owns supply works and distribution system. System is in charge of a superintendent who is appointed by the Mayor and Council for an indefinite term. He responds to pumping station when alarms of fire are sounded and operates fire pumps. Records consist of a wall map showing hydrants and valves. No truck is provided. Extensions and taps are made by local plumber. **Supply Works:** Water is obtained from one deep well 480 ft. deep with a 6-in. casing and a yield of 300 g.p.m. and is discharged into two cross connected concrete suction reservoirs of 60,000 and 19,000 gals capacity. It is then pumped into system by domestic pumps with two pressure tanks acting as equalizers. On receipt of alarms of fire the domestic pumps are shut down and two fire pumps are operated. All pumps have independent suction. A by-pass with a check valve around pumps enables fire department to pump at hydrants from suction basin. Domestic pumps operate automatically when pressure drops below 40 pounds. **Pumping Station:** Located as shown on map. Elevation of pump room floor about 70. Building is a one-story stuccoed concrete block structure with a slate-covered wood roof, gravel floor, coal stove and electric lights. There is a 100-gal outside buried gasoline tank. **Equipment:** Domestic Supply—Two 2,500-g.p.h. Fairbanks-Morse pumps, one driven by a 7½-h.p. Fairbanks-Morse gasoline motor and the other by a 5-h.p. Century electric motor. A 3,600-g.p.h. Fairbanks-Morse pump driven by a 5-h.p. Fairbanks-Morse electric motor. **Fire Service:** A 600-g.p.m. Northern rotary pump driven by a 30-h.p. G. E. motor, a 500-g.p.m. Fairbanks-Morse duplex pump driven by a 25-h.p. Fairbanks-Morse gasoline motor. **Emergency Supply:** There is a 6-in. closed emergency connection to the A. E. Soper Canning Company's supply works. This consists of one deep well 480 ft. deep with a 6-in. casing and a capacity of 330 g.p.m., from which water is raised by air and discharged into a 5,000-gal suction basin. It is then pumped by high lift pumps into an elevated tank. **Equipment:** A 50-h.p. Clayton compressor and two 160-g.p.m. Worthington pumps driven by steam which is obtained from two 150-h.p. oil burning boilers of James Beggs and Economic make which also supply steam for manufacturing purposes. There is a 10,000-gal. outside buried oil tank. **Elevated Tank:** A 10,000-gal. wood tank on a 60-ft. steel tower with the elevation of overflow 140. **Consumption:** The average and maximum daily consumption is estimated to be 0.022 and 0.028 m.g.d. There are about 200 services, of which about 90% are metered. **Distribution System:** In one service; see map. **Pipe:** Cast iron, tar coated, bell and spigot joint, laid with about a 5-ft. cover. No trouble from frozen mains or electrolysis. Total length 7,500 ft.; 18.7% 4-in., 40.0% 6-in. and 41.3% 8-in. **Gate Valves:** 8 of Mueller make set with iron boxes to grade. Valves are inspected occasionally. All open to right. **Hydrants:** 19 of Mathews make with 4-in. barrels and 4-in. ungated branches and two 2½-in. outlets. Two of the newer installations have steamer outlets. **Pressures:** Readings taken at two hydrants widely distributed showed a pressure of 73 pounds. Reading taken at one hydrant with the domestic pump in operation showed a pressure of 37 pounds. **Fire Flow Tests:** Probable supply

available for fire protection purposes was measured on September 10, 1937, by means of Pitot tube. Location of hydrant, discharge in gals. per minute, pressure before flow and pressure during flow were as follows:

### Fire Pump not in Operation—

Main St., E. of Fire House, 340—37—11.

### Fire Pump in Operation—

Main St., E. of Fire House, 680—73—11.

Murry St. and Custer St., 480—73—18

**FIRE DEPARTMENT:** A volunteer organization of 30, including a chief, an assistant chief, foreman and assistant foreman, of whom about 20 are available at all times. Officers are elected annually by company. Election of new members, who must be physically fit and between 21 and 35 years old, is subject to approval of Mayor and Council. Fire company owns apparatus and equipment. Borough owns house and appropriated \$500 for the support of the department in 1937. **Company—Farmingdale Hook and Ladder Company:** Located on Main St., east of Southard Ave. Building is a two-story brick and frame structure with a slate roof, concrete apparatus floor; electric lights and hot air heat. **Equipment:** A 1924 300-g.p.m. Mack engine carrying a 185-gal. booster tank, 150 ft. of booster hose, 1,000 ft. of 2½-in. hose, two short ladders and fair minor equipment. A 1937 600-g.p.m. Mack engine carrying a 200-gal. booster tank, 400 ft. of 1½-in. hose, 1,000 ft. of 2½-in. hose, two short ladders and fair minor equipment. A Graham hose car carrying two 40-gal. chemical tanks, 150 ft. of chemical hose, two short ladders and some minor equipment. **Hose:** All 2½-in. hose is C.R.L. with National Standard screw couplings. It is shifted at fires and drills and tested yearly at 200 pounds. There is 400 ft. of hose in reserve. **Operations:** Governed by borough ordinance. Chief has control of apparatus at all times and of men at fires and drills. He can not suspend members, but can prefer charges to company. **Drills and Training:** Drills held every other month, consist of pump operation, use of equipment and hose laying. **Response to Alarms:** Both engines respond to all alarms in borough unless person calling clearly states that fire is grass or automobile, then one engine or hose car responds. One engine responds to alarms outside of borough. Outside aid may be secured from Freehold and Lakewood. **Fire Methods:** Booster streams used on incipient fires, reinforced with hydrant and engine streams. **Building Inspection:** Chief makes occasional inspections of factories and schools. **Reports and Records:** A record is kept of each fire and an annual report is submitted to borough. **Fire Alarms:** Alarms of fire are telephoned to a house near fire station and are sounded on siren located at fire station.

**POLICE DEPARTMENT:** None. State police barracks located in the borough.

**BUILDING LAWS:** Code adopted December 29, 1931, establishes fire limits and adopts the National Board of Fire Underwriters' Code for Small Municipalities by reference.

**EXPLOSIVES AND FLAMMABLES:** Ordinance adopted December 31, 1931, has fair regulations in regard to the storage of explosives, burning of refuse and accumulation of trash. State law restricts the use of fireworks to only responsible bonded parties.