



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

Lakehurst Borough
Ocean County, New Jersey

AUGUST 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 60 to 70 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:
 Pumping engine and hose car
 Booster tank or tanks on above
 Tractorized

1
2
3
4
5
6
7
8
417

April 20, 1939.

LAKEHURST BOROUGH, OCEAN COUNTY, NEW JERSEY.

Population—Census of 1930 was 947.

IN GENERAL: Located on the Central Railroad of New Jersey about 8 miles southwest of Lakewood. A residential and farming community with one industry employing about 21. Area about 0.65 square mile. Elevations range from 60 to 70 feet. Main roads concrete and macadam, others gravel in fair to poor condition. Railroad crossings at grade and traffic on main highway are said to have never interfered with the 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 under the supervision of superintendent of public works who also operates sewer plant. He is appointed annually by the council and has held his present position for the past ten years. Superintendent responds to pumping station on receipt of alarms of fire. A truck is provided. Records consist of a wall map showing hydrant and valve locations. **Supply Works:** System built in 1927. Water is obtained from three wells 26½ feet, 46 feet and 1,037 feet with 6- to 12-inch casing, yielding 375 g.p.m., by deep well pumps. It is then pumped into distribution system with standpipe acting as equalizer. **Pumping Stations—Main Pumping Station:** Located on Union Avenue near railroad. Building is a small area one-story concrete block structure with a composition roof, coal stove for heat and electric lights. No hand protection. Exposures moderate. Wiring in conduit. Housekeeping poor. Elevation of pump room floor about 62 feet. **Equipment:** One 250-g.p.m. American Well Works deep well pump driven by a 15-h.p. Imperial electric motor. **Lilac Avenue Pumping Station:** Located on Union Avenue opposite Lilac Street. Building is a small area one-story frame structure with a wood shingle roof, electric lights and no heat. No hand protection. Exposures negligible. Wiring in conduit. Housekeeping poor. Elevation of pump room floor about 62 feet. **Equipment:** One 80-g.p.m. Fairbanks-Morse deep well pump driven by a 10-h.p. Fairbanks-Morse electric motor. One 45-g.p.m. Fairbanks-Morse deep well pump driven by a 10-h.p. Fairbanks-Morse electric motor. **Distribution System:** In one service; see map. Supply to the district is through a single 8-inch main well supported and gridironed. **Standpipe:** Located in rear of pumping station as shown on map, steel, 20 x 120, capacity 250,000 gallons. Elevation of base about 67; elevation of overflow 187. **Consumption:** The average daily consumption during 1938 was about 24,000 gallons a day. There are 190 services, none of which are metered. **Pipe:** Cast iron, tar coated, bell and spigot joint, laid with a 4-foot cover. Total length 20,100 feet; 30.2% 8-inch and 69.8% 6-inch. No trouble from frozen mains or electrolysis. **Gate Valves:** 39 of Crane manufacture. All open to right. Set in iron boxes at grade. Valves are said to be inspected twice a year. **Hydrants:** 30 of R. D. Wood manufacture. All have two 2½- and one 4½-inch outlets, 6-inch barrels and 6-inch un gated branches. They are inspected weekly. Those operated during inspection were found to be in good condition. **Pressures:** Reading taken at one hydrant showed a pressure of 45 pounds. **Fire Flow Test:** Probable supply available for fire protection purposes was measured on March 17, 1939, by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow and pressure during flow were as follows:

Union Avenue and Centre Street, 930—45—40.

FIRE DEPARTMENT: A volunteer organization of one company under control of borough which owns house, apparatus and equipment and appropriated \$300 for the support of the department in 1939. There is a chief, an assistant chief, a first and second assistant foreman and an engineer who are elected annually by the company. Total membership 23, of whom about 12 are available during the day and 16 during the night. **Company—Lakehurst Engine Company No. 1:** Located on Union Avenue between Locust Street and the railroad in borough hall. Building is a 2-story jointed brick structure with an asbestos shingle roof, concrete apparatus floor, coal stove for heat and electric lights. **Equipment:** A 1936 Pirsch Dodge 500-g.p.m. engine carrying a 500-gallon booster tank, 150 feet of booster hose, 1,000 feet of 2½-inch hose, 2 short ladders and some minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. It is tested twice a year at 200 pounds, shifted at fires and drills and dried on apparatus floor. No hose is over five years old. No reserve hose. **Operations:** Department is governed by borough ordinance. Chief has control of apparatus at all times and of men at fires and drills. Chief has power to suspend. Motors are turned over twice a week. Four men are appointed drivers. **Drills and Training:** Drills held monthly under the supervision of chief officers consist of hose laying, pump operation and use of equipment. **Fire Methods:** Booster streams used on incipient fires reinforced with engine and hydrant lines with shut-off nozzles. Engines hook up only when necessary. No gas masks, salvage equipment or heavy stream appliances are provided. **Response to Alarms:** Entire department responds to all alarms in borough and within a radius of five miles. Outside aid may be secured from the Lakehurst Naval Air Station and from Lakewood. **Building Inspection:** Chief makes annual inspections of all schools. **Records and Reports:** A record is kept of all fires and an annual report is submitted to mayor and council. **Fire Alarms:** Alarms of fire are telephoned to a store adjacent to fire house and are sounded on siren located in rear of fire station.

POLICE DEPARTMENT: There are 2 part-paid policemen who use own cars on patrol duty.

BUILDING LAWS: Code adopted August 2, 1928, provides for the appointment of a building inspector and requires that permits be secured before building operations may be started. Code has little value from a fire prevention standpoint. Fire limits are not established and flammable roof coverings are not prohibited in the borough.

EXPLOSIVES AND FLAMMABLES: An ordinance adopted April 7, 1924, provides for the appointment of a fire inspector from the fire department and prohibits the storage or accumulation of paper or waste. State laws adequately cover the storage and shipment of explosives and the construction of motion picture booths. They also restrict the use of fireworks to responsible bonded parties.

ZONING ORDINANCE: None.