



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

East Paterson Borough
Bergen County, New Jersey

AUGUST 15, 1952

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 30 to 124 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
 (A) Ambulance, Squad or Auxiliary car
 (H) Hose car
 (Q) Booster tank or tanks on above



EAST PATERSON BOROUGH, BERGEN COUNTY, NEW JERSEY.

Population—1940 Census—4,937.

IN GENERAL: Located on the east bank of the Passaic River directly east of Paterson and on the New York, Susquehanna, and Western Railroad and the Bergen County Branch of the Erie Railroad. It is mainly a residential community with a small amount of farming and with a paper converting plant normally employing about 225 and a large aircraft engine and accessory plant which at present is not operating on full scale production. Area is about 2.75 square miles. Elevations range from 30 to 124 feet. Through roads are concrete or macadam in fair to good condition, and a large percentage of other streets are improved or gravel in fair to poor condition. A number of railroad grade crossings are said not to interfere with the response of fire apparatus.

WATER SUPPLY: Water for domestic and fire protection purposes is purchased at wholesale from the City of Garfield and is furnished from the Garfield Pumping Station located in East Paterson as shown on map. Supply for the north portion of the borough is through a 10-inch meter at pumping station and 10-inch artery which extends north from the pumping station, and the balance of the borough is supplied through a number of 6-inch meters along Boulevard connected to the Garfield 30-inch transmission main. Distribution system is owned by the borough. It was installed in 1926 and is in charge of a competent supervisor of public works who is under Civil Service and has held position for the past 18 years. The water department has at its disposal a supervisor, assistant supervisor, and 4 laborers and is provided with a 1½-ton dump truck and ¾-ton pick-up truck. Office is in the municipal building, and yard with some supplies is located at the sewage disposal plant. Alarms are received by siren only and 2 of the employees respond as firemen. Department makes repairs, taps, and minor installations. Extensions are made under contract under the supervision of the supervisor of public works. Records are incomplete and consist primarily of consumption records and a distribution map which is not up to date. **Supply Works:** Supply is obtained under contract from the City of Garfield. For a detailed description of the supply works see report on Garfield with map No. 145. **Consumption:** The average and maximum daily consumption for the last quarter of 1945 and the first three quarters of 1946 were 0.459 and 0.688 million gallons. On January 1, 1947 there were 2,092 services in East Paterson, all of which are metered. **Pipe:** About 13,800 feet is Transite and the balance is cast iron, tar coated, bell and spigot joint, and all mains are laid with about a 4-foot cover. Total length, not including 30-inch Garfield transmission main, 181,275 feet; 27% 10-inch, 9.9% 8-inch, 87.0% 6-inch, and 0.4% 4-inch. No trouble has been reported from freezing or electrolysis. **Gate Valves:** There are 436 in the borough of various makes set with iron boxes at grade. Direction of operation is not uniform and no regular valve inspections are made. **Hydrants:** There are 317 in the borough of Michigan, Eddy, and Kennedy makes of standard type. About 200 have 2½-inch and one 4½-inch outlets and the balance have two 2½-inch outlets. Hose outlets have 3 inch outside diameter and 8 threads per inch and the large outlets have 4½ inch outside diameter and 6 threads per inch. Hydrants have 6-inch gated branches, but do not have uniform direction of operation. They are inspected annually and at time of tests were found to be in fair condition. **Pressures:** Readings taken at 6 well distributed locations in the borough showed pressures ranging from 43 to 66 pounds with an average of 56½ pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on November 4, 1946 by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

Market St. and River Dr., 1,260—66—36
 Martha St. and River Dr., 920—64—19
 Market St. 350 ft W. of Obal Ave., 900—43—22
 Falmouth Ave. and E. 54th St., 1,420—62—45
 Broadway and Orange Ave., 1,260—53—32.
 Orchard St. and Speidel Ave., 1,220—51—39.

FIRE DEPARTMENT: Volunteer organization of three companies under control of the borough which owns apparatus and equipment and appropriates about \$5,500 each year for the support of the department. The companies own the fire stations and rent same to the borough. Total active membership 117 including a chief, 2 assistant chiefs, 3 cap-

tains, and 3 assistant captains, of whom a minimum of about 30 members are available at all times. Officers are elected annually by the companies and confirmed by the mayor and council. **Companies—Company No. 1:** Membership 47. Located on Grove Street between River Drive and Elm Street. Building is a 2½-story frame structure with strip shingle roof, concrete floor, electric lights, steam heat, and telephone. **Equipment:** One 1938 Seagrave 750-g.p.m. triple combination pumping engine with a 150-gallon booster tank, 250 feet of booster hose, 1,200 feet of 2½-inch hose, 400 feet of 1½-inch hose, one 35-foot extension and one 12-foot roof ladder, one salvage cover, two gas masks, a 650-watt generator, three lights, and good minor equipment. **Company No. 2:** Membership 35. Located on Parkview Avenue at Magnolia Street. Building is a 2-story frame structure with strip shingle roof, concrete floor, electric lights, hot air heat, and telephone. **Equipment:** One 1940 Mack 500-g.p.m. triple combination pumping engine carrying one 150-gallon booster tank, 200 feet of booster hose, 1,200 feet of 2½-inch hose, 300 feet of 1½-inch hose, 2 short ladders, one salvage cover, two gas masks, an electric generator, three lights, and good minor equipment. One 1935 Buick ambulance and good minor equipment. **Company No. 3:** Membership 35. Located on Martha Street at Beech Street. Building is a 1-story cement block structure with composition roof, wood floor, electric lights, steam heat, and telephone. **Equipment:** One 1945 Mack 500-g.p.m. triple combination pumping engine with a 150-gallon booster tank, 200 feet of booster hose, 1,150 feet of 2½-inch hose, 550 feet of 1½-inch hose, one 35-foot aluminum ladder, one 14-foot wood roof ladder, one salvage cover, two gas masks, an electric generator, three lights, and good minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. There is 1,000 feet of reserve hose at No. 1, 250 feet at No. 2 and 600 feet at No. 3. No adequate drying facilities are provided. Hose is repacked and tested at 200 pounds in part at drills. Of the total supply of 5,400 feet, about 25% is more than 5 years old. **Operations:** Department is governed by borough ordinance and company by-laws. The chief officers have full control of apparatus and men at fires and drills. Motors are started at least twice weekly and at least 12 men per company are trained to act as drivers and operators. **Drills and Training:** Company drills consisting of pump operation, and hose and ladder work are held twice monthly under the direction of the chief officers. **Fire Methods:** Hand extinguishers and booster and 1½-inch lines are used on incipient fires supported by hydrant and engine streams with shut-off nozzles. One salvage cover, 2 all-purpose gas masks, and flood light generating equipment are provided on each truck. No heavy stream appliances are installed. **Response to Alarms:** All companies respond to all town alarms, except brush. Outside aid may be secured from surrounding volunteer departments at Garfield, Fair Lawn, and Saddle River Township at a distance of 3 miles. **Building Inspection:** Chief and assistant chiefs make annual inspections of mercantile risks and public buildings. **Records and Reports:** Monthly and yearly reports are made to mayor and council. Records fair, but incomplete. **Fire Alarms:** Fire alarms are transmitted through the Fair Lawn Telephone Exchange to the police desk and sounded on four electric sirens located at the three fire stations and Halstead Place which can be operated individually from the fire stations.

POLICE DEPARTMENT: Consists of a chief, captain, 4 uniformed police, and 50 marshals. Three radio cars are provided.

BUILDING LAWS: Code adopted in April, 1929, embodies a few recommended provisions, but is not sufficiently comprehensive from a fire protection standpoint. No fire or incombustible roof limits established.

FIRE PREVENTION LAWS: Local regulations are limited to standard ordinance governing the installation of oil burning equipment and miscellaneous fire protection features covered in the building code. State laws adequately cover the storage and shipment of explosives and flammables and the construction of motion picture booths. They also restrict the discharge of fireworks to responsible bonded parties.

ZONING ORDINANCE: Adopted March, 1942.