



KEY

PROTECTED FIRE ZONE: Shown in Green.

NOTE:—For description of fire protection, etc., see other side.

Elevations range from 80 to 120 feet above mean sea level.

Water minus 8 inches and larger in diameter

Water minus 6 inches in diameter

Water minus 4 inches in diameter

Schedule Rating Office of New Jersey
ENGINEERING DEPARTMENT
NEWARK, N. J.

Town
of
Hammonton

Atlantic County, New Jersey

AUGUST 31, 1942

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TOWN OF HAMMONTON, ATLANTIC COUNTY, NEW JERSEY.

Population—Census of 1940 was 7,668.

IN GENERAL: Located on the Pennsylvania Reading Seashore Line Railroad and the White Horse Pike midway between Camden and Atlantic City. A farming, residential, and industrial community with 23 plants employing about 1,000. Area of mapped portion about 12 square miles. Elevations range from 80 to 120 feet. Main roads concrete, others gravel in fair to poor condition. Railroad crossings at grade and traffic in principal mercantile district might seriously interfere with response of fire apparatus.

WATER SUPPLY: Water for domestic and fire protection purposes is furnished by the town which owns supply works and distribution system and supplies water to the town only. **Organization:** The system is under the supervision of a board of water commissioners of 3 members, one of whom is elected annually for a 3-year term. There is a superintendent who is appointed every third year, 4 pumping station operators on 8 hour shifts and 1 laborer. Office, yard, and shop at pumping station. One well equipped truck is provided. Superintendent responds to all alarms of fire. Operating records are good, but records of hydrant and valve locations are incomplete. **Supply Works:** Built in 1902. Water is obtained from two 10 inch wells 300 to 340 feet deep with a capacity of 280 m.g.d. Wells discharge by air lift into two 20,000 gallon covered brick receiving basins whence high lift pumps take suction and discharge into distribution system with standpipe acting as equalizer. **Pumping Station:** Located on 12th Street as shown on map. Building is a 1-story brick structure with an asbestos shingle roof, concrete apparatus floor, electric lights, and steam heat. No hand protection. Exposures moderate. Wiring in conduit. Housekeeping good. Elevation of pump room floor 110 feet. **Equipment:** An 80 h.p. Fairbanks Morse Diesel engine directly connected to a 197 c.f.m. Pennsylvania air compressor with belt connection to a 0.936 m.g.d. Pennsylvania Pump and Compressor Company centrifugal pump. This unit is operated 3 times a week for an hour. Two 230 c.f.m. Pennsylvania air compressors each driven by a 40-h.p. Electric Machinery Company electric motor. Two 0.936 m.g.d. Pennsylvania Pump and Compressor Company centrifugal pumps each driven by a 40-h.p. G. E. electric motor. Pumps start automatically when pressure drops below 42 pounds. Current for operation of electrical equipment is supplied from two independent sources. **Distribution System:** In one service; see map. Supply to principal mercantile district is through a 10-inch unsupported main. Arterial system is generally poor with numerous long 4-inch dead end lines supplying hydrants. **Standpipe:** Located on 12th Street as shown on map; steel, 115 feet by 12 feet, capacity 100,000 gallons. Elevation of base 115 feet. Elevation of overflow 230 feet. **Consumption:** The average and maximum daily consumption during 1941 was 0.457 and 0.801 m.g.d. On December 31, 1940 there were 1,452 services, all of which were metered. **Pipe:** All pipe is cast iron, tar coated, bell and spigot joint, laid with about a 4-foot cover. Total length, 133,200 feet, 2.3% 10 inch, 15.7% 8-inch, 37.2% 6-inch, 44.8% 4-inch. No trouble reported from frozen mains, electrolysis, or tuberculation. **Gate Valves:** There are 227 of various makes set with iron boxes to grade. Direction of operation is uniform. No regular inspection. **Hydrants:** There are 243 of Eddy, Corey, and Columbia makes of standard type with two 2½- and one 4½-inch outlets and 4- or 6-inch branches. It is estimated that about 60% of the hydrant branches are gated. Hydrant hose outlet threads are National Standard. Hydrant steamer outlet threads are 5-9/16 inches outside diameter and have 7 threads per inch. Hydrants are inspected four times a year. Those operated during resurvey were found to be in good condition. **Pressures:** Recording gauge in pumping station showed an average operating pressure of about 57 pounds. Readings taken at 8 well distributed hydrants showed pressures ranging from 56 to 67 pounds with an average of 59 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on May 16, 1941 by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

Egg Harbor Rd. and Bellevue Ave., 1,090—58—41.
12th St. 760 feet N. E. of Second Rd., 430—67—17.
1st Rd. 600 feet N. W. of 13th St., 180—56—6.
1st Rd. 800 feet N. W. of 11th St., 230—57—5.
3rd St. and North St., 180—60—5.
White Horse Pike and Central Ave., 480—58—18.
1st Rd. and 11th St., 150—56—*.
White Horse Pike 500 feet N. W. of Fairview Ave., 200—60—5.
*No reading taken.

FIRE DEPARTMENT: A volunteer organization of two companies under control of town which owns apparatus and equipment and appropriated \$6,300 for the support of the department during 1942. Companies own houses. Total active membership 30 of whom an average of 14 are available during the day and 20 during the night. A chief and an assistant chief are appointed annually by the town council on recommendation of the companies and 2 captains and 3 lieutenants are elected annually by the companies. **Hammonton Volunteer Fire Co. No. 1:** Membership 24. Located on Bellevue Avenue between Second and Horton Streets. Building is a 2-story joisted brick structure with a tin roof, concrete apparatus floor, steam heat, electric lights, telephone, and siren. **Equipment:** A 1925 American La France 750-g.p.m. triple combination pumping engine carrying a 600 gallon booster tank, 150 feet of booster hose, 500 feet of 1½-inch hose, 3 short ladders and some minor equipment. A 1939 Buffalo-G.M.C. 500-g.p.m. triple combination pumping engine carrying a 500-gallon booster tank, 150 feet of booster hose, 200 feet of 1½-inch hose, 1,200 feet of 2½-inch hose, a 650-watt portable electric generator with three 250 watt floodlights, 2 gas masks, 1 distributing nozzle, 2 short ladders and good minor equipment. A 1942 Pirsch 55-foot junior aerial truck carrying a 200-gallon booster tank, a 200 gallon booster pump, 150 feet of booster hose, 300 feet of 1½-inch hose, 100 feet of 2½-inch hose, 6 ladders ranging from 22 to 55 feet and totaling 204 feet, 3 gas masks, 2 salvage covers, and good minor equipment. **Hammonton Volunteer Fire Co. No. 2:** Membership 6. Located on White Horse Pike between Bellevue Avenue and Basin Road. Building is a 2½-story frame structure with an asbestos shingle roof, concrete apparatus floor, coal stove for heat, electric lights, and telephone. **Equipment:** A Brockway hose car carrying two 35-gallon chemical tanks, 100 feet of chemical hose, 1,000 feet of 2½-inch hose, 2 short ladders, and some minor equipment. A 1942 Ward La France 500 g.p.m. triple combination pumping engine carrying a 750-gallon booster tank, 150 feet of booster hose, 500 feet of 2½-inch hose, 300 feet of 1½ inch hose, 2 short ladders, and some minor equipment. **Hose:** All 2½-inch hose is C.R.J. with National Standard screw couplings. It is tested twice a year at 300 pounds, dried on apparatus floor and shifted at fires and drills. There is a total supply of 2,500 feet of 2½-inch hose of which about 1,500 feet is over 5 years old and about 500 feet is held in reserve. **Operations:** Department is governed by town ordinances and company by-laws. Chief has control of apparatus at all times and of men at fires and drills. He may suspend members pending a hearing before company. Motors are started occasionally. There are 14 members of the department who are assigned to drive the apparatus. **Drills and Training:** Company drills held monthly and department drills held six times a year under the supervision of chief officers. Drills consist of pump operation, hose laying, ladder raising, and use of equipment. **Fire Methods:** Booster and chemical streams used on incipient fires reinforced by engine and hydrant lines where water is available. Gas masks, salvage equipment, and heavy stream appliances are provided. **Response to Alarms:** Entire department responds to all alarms in town. Outside aid may be secured from Berlin and Egg Harbor City. **Building Inspection:** Six members of the department make an annual inspection of all stores and factories. **Records and Reports:** Records consisting of the location, amount of equipment used, and attendance are kept of all fires. **Fire Alarms:** Alarms of fire are telephoned to local telephone exchange where operator blows siren on Company No. 1 house and rings fire bell in home of each fireman. Bells are on a separate telephone circuit and are operated by a hand magneto from telephone exchange when an alarm of fire is received.

POLICE DEPARTMENT: Consists of a chief and 3 patrolmen working in 8-hour shifts. One car is provided. Patrolmen respond to all alarms of fire.

BUILDING LAWS: Code adopted December 16, 1929 provides for the appointment of a building inspector and requires that plans be submitted before building operations may begin. Code closely follows that recommended by the National Board of Fire Underwriters for Small Municipalities. Fire limits are established and flammable roof coverings are prohibited throughout the town.

EXPLOSIVES AND FLAMMABLES: No municipal regulations. 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.