




PUMPING STATION
ELEV. FLOOR ABOUT 13'

ELEVATED TANK
ELEV. AT BOTTOM 112'
ELEV. AT TOP 136'
CAPCY 50,000 GALS.

KEY

- PROTECTED FIRE ZONE:** Shown in Green.
- NOTE.**—For description of fire protection, etc., see other side.
- Elevations range from 5 to 21 feet above mean sea level.
- 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) Automobile combination pumper and hose car
- (B) Booster car
- (O) Booster tank or tanks on above
- (L) Ladders on above

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

Cape May Court House
Fire District No. 1 Middle Twp.
Cape May County, N. J.

JUNE 30, 1948

CAPE MAY COURT HOUSE, MIDDLE TOWNSHIP, CAPE MAY COUNTY, NEW JERSEY.

Fire District No. 1.

Population — Estimated to be about 2,000.

IN GENERAL: Located on the Pennsylvania-Reading Seashore Railroad in the central section of the county. It is the county seat and a residential community with some farming and one moderate size hostery mill. Area of mapped portion about 0.7 square miles. Elevations range from 5 to 21 feet. Through roads are improved, others are dirt or gravel in fair to poor condition. A number of railroad grade crossings are said never to interfere with the response of fire apparatus.

WATER SUPPLY: Water for domestic and fire protection purposes is furnished by the Neptunus Water Company, a subsidiary of the Northeastern Water Company operated by the Water Utilities Service Company, supplying water to Cape May Court House only. **Organization:** There is no regular water company employee on the system, but a local plumber who supervises the operation of the system uses his own truck and makes extensions and repairs when necessary. The pumps are operated and general supervision exercised by a district representative of the Ocean City Water Service Company. **Supply Works:** Water is obtained by direct suction from two 6-inch wells and one 8-inch well about 40 feet deep having an aggregate yield of about 0.36 m.g.d. **Pumping Station:** Located on Hand Avenue at Pennsylvania Railroad in a small 1-story brick building with composition roof, concrete floor, electric lights, kerosene stove for heat, and no hand protection. Exposures are negligible. Wiring is in conduit. Housekeeping fair. Elevation of pump room floor about 13 feet. **Equipment:** One 0.36-m.g.d. Worthington centrifugal pump driven by a 20-hp. G. E. electric motor. One 0.36-m.g.d. Worthington centrifugal pump driven by a Model "A" Ford gasoline engine. One Ingersoll-Rand vacuum pump maintains constant vacuum in the well header. **Distribution System:** In one service consisting of 6-inch supply mains and with a high percentage of 2-inch and 3-inch mains making up a fairly incomplete gridiron. See map. **Elevated Tank:** Located at pumping station. It is steel, 18 feet in diameter by 16 feet high on a 100-foot tower. Elevation of base about 20 feet; capacity 50,000 gallons. **Consumption:** The average and maximum daily consumption during 1947 were 0.058 and 0.087 million gallons. On December 31, 1947 there were 283 live services, of which 183 were metered. **Pipe:** All pipe is cast iron, tar coated, bell and spigot joint, laid with about 3½-foot cover. Total length, 23,500 feet; 2.6% 8-inch, 47.2% 6-inch, 2.6% 4-inch, 10.2% 3-inch, and 37.4% 2-inch. No trouble has been reported from freezing or electrolysis. **Gate Valves:** There are 24 on the system of R. D. Wood make set with iron boxes at grade. All open in a clockwise direction. Valves are not inspected regularly. **Hydrants:** There are 29 hydrants, including 3 private hydrants, of Corey, Iowa, and Mathews makes of standard type; 11 have two 2½-inch outlets and the balance have an additional 4½-inch outlet. Hydrants have 4-inch or 5-inch branches, 20 of which are gated. Hose outlets have National Standard threads. Large outlets are 4½ inches outside diameter with 6 threads per inch. Hydrants are inspected annually. Those operated were found to be in good condition. **Pressures:** Readings taken at 4 locations showed pressures ranging from 48 to 49 pounds with an average of 49 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on May 14, 1948 by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

Main and Mechanic Sts., 480—48—22.

Main and Pacific Sts., 310—49—31.

Mechanic St and Goshen Rd, 210—49—6.

Goshen Rd. N of Mechanic St, 200—49—*.

*No reading taken

FIRE DEPARTMENT: A volunteer organization of one company. The Board of Fire Commissioners owns the house, apparatus, and equipment and the township makes an annual appropriation for the support of the department. Total active membership is 35 which includes the chief, assistant chief, engineer, and 2 assistant engineers. A minimum of 18 men are available at all times. Officers are elected annually by the company. **Company:** Located on Boyd Street south of Mechanic Street in a 2-story brick building with composition roof, concrete floor, steam heat, electric lights, telephone, siren, and hose tower. **Equipment:** A 1928 American La France 500-g.p.m. triple combination pumping engine carrying a 150-gallon booster tank, 150 feet of booster hose, 700 feet of 2½-inch hose, 200 feet of 1½-inch hose, 2 short ladders, and meager minor equipment. A 1932 American La France 350-g.p.m. quadruple combination pumping engine carrying a 350-gallon booster tank, 150 feet of booster hose, 450 feet of 2½-inch hose, 6 ladders ranging from 16 to 50 feet and totaling 169 feet, 1 all-service gas mask, and fair minor equipment. A 1929 G.M.C. 900-gallon tank truck provided with a 350-g.p.m. Barton front mounted pump and carrying 500 feet of 1½-inch hose but practically no minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. It is shifted and tested quarterly at varying pressures and dried in hose tower. About 50% of the hose is over 5 years old and there is 200 feet held in reserve. **Operations:** Department is governed by company by-laws. Chief has control of apparatus at all times and of men at fires and drills. Motors are started semi-weekly and there are 8 members who are appointed as drivers and pump operators. **Drills and Training:** Quarterly drills are held under the supervision of the chief, and consist of hose laying, some pump operation, ladder raising, and use of minor equipment. **Fire Methods:** Booster lines are used on incipient fires reinforced by 1½-inch and 2½-inch lines with shut-off nozzles. One all-service gas mask is provided, but department is totally lacking in heavy stream appliances and salvage equipment. **Response to Alarms:** The quadruple combination pumper and the tank truck respond to all alarms with the triple combination pumper being held for subsequent alarms. Outside aid may be obtained from the volunteer departments of the neighboring municipalities. **Building Inspection:** None. **Records and Reports:** Fairly complete records are kept of all fires and drills, and chief makes an annual report to the Board of Fire Commissioners. **Fire Alarms:** Alarms are telephoned to a private residence where recipient is confined at all times. Alarms are sounded on the siren by means of a switch located at the private residence. Location is relayed by phone from the private residence to the fire house.

POLICE DEPARTMENT: Consists of one uniformed officer who is provided with a patrol car. Police officer responds to alarms of fire when possible.

BUILDING LAWS: No municipal regulations.

FIRE PREVENTION LAWS: No municipal regulations. State laws adequately cover the storage and shipment of explosives, the transportation of flammables, and the construction of motion picture booths. They also restrict the discharge of fireworks to responsible bonded parties.

ZONING ORDINANCE: None