



August 15, 1940.

## ROCKAWAY TOWNSHIP, MORRIS COUNTY, NEW JERSEY.

Including Beach Glen, Green Pond, Hibernia, Marcella, and Mount Hope.

Population—Census of 1930 was 3,178.

**IN GENERAL:** Located in the extreme northern section of Morris County on the Central Railroad of New Jersey and the Wharton and Northern Railroad. It is mainly a residential and farming community with several iron mines. Area is 45.3 square miles. Elevations range from 520 to 1,300 feet above mean sea level. Roads are macadam, gravel or dirt in fair to poor condition and several steep grades might tend to interfere with the response of fire apparatus.

**WATER SUPPLY:** Water for fire protection is obtained from several lakes and streams throughout the township with the exception of a small portion of the Mount Hope section which is supplied by a private water system which is owned and operated by the Warren Foundry and Pipe Corporation. System is under the supervision of a company employee who, with several company employees, operates pumping station and maintains distribution system. **Supply Works:** Water is obtained from the Mount Hope Pond and runs by gravity through a 10-inch line to the pumping station whence it is pumped into the distribution system with the reservoir acting as equalizer. **Pumping Station:** Located in the Mount Hope Mine Power House as shown on map. Building is a 2-story brick structure with composition roof, concrete floor, electric lights, steam heat, numerous 2½-gallon extinguishers; slight exposures; wiring in conduit; housekeeping good. Elevation of pump room floor 838.62 feet. **Equipment:** One Ingersoll-Rand 520-g.p.m. centrifugal pump driven by a 50-h.p. G. E. electric motor. A 400-g.p.m. Aldrich centrifugal pump driven by a 35-h.p. Westinghouse electric motor is held in reserve. **Distribution System:** In one service; see map. System was originally a compressed air system supplying the mine and was converted into a water distribution system. In addition there are 3 hydrants in the village which are fed by gravity from the Mount Hope Pond through a 5-inch main from the 10-inch supply main. **Reservoir:** Located as shown on map. It is concrete with wood roof, 20 x 35 feet, capacity 50,000 gallons. Elevation of overflow 1,030 feet. **Consumption:** There are no figures available regarding the consumption. There are 11 private services as well as the plant connections. **Pipe:** All pipe is cast iron, universal joint, laid with about a 3¼-foot cover. Total length 7,500 feet; 32% 10-inch, 20% 6-inch, 36% 5-inch and 12% 4-inch. No trouble reported from frozen mains or electrolysis. **Gate Valves:** There are 7 on the system believed to be of Eddy make set in sawdust filled boxes. Direction of operation uniform. No regular inspections are made of the valves. **Hydrants:** There are 12 of Eddy make of standard type with 4-inch ungated branches and two 2½-inch outlets. Each hydrant is equipped with an adapter for National Standard threads. They are inspected occasionally. Those operated during inspection were found to be in good condition. **Pressures:** A gauge in the pumping station showed a pressure of 63 pounds. Readings taken at 3 well distributed hydrants showed pressures ranging from 56 to 85 pounds with an average of 66 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on May 14, 1940, by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow and pressure during flow were as follows:

From Reservoir—

50 ft. S. E. of Office, 392—56—27.  
At Brown Shaft House, 464—57—\*.  
50 ft. S. of General Store, 230—85—\*.

From Pond—

Opposite General Store, 190—20—\*.  
\* No reading taken.

**FIRE DEPARTMENT:** Consists of two independently operated departments of one company each under partial control of the township. In addition there is a private company located at Green Pond and a department located at the Picatinny Arsenal. Of the first two companies the township owns the apparatus and equipment and companies own their own houses. The township appropriates \$300 annually for the support of the Mount Hope Department and from \$500 to \$600 annually for the support of the Hibernia Department. Total active membership for the two departments is 44, of whom a minimum of about 14 are available at all times. Officers of the Mount Hope Department consist of a chief, first and second assistant chiefs, and those of the Hibernia Department consist of a chief, assistant chief, foreman and assistant foreman. Officers are elected annually by the companies and are confirmed by the township committee. **Companies—Mount Hope Fire Company No. 1:** Membership 16. Located at Mount Hope Road and Burnt House Garden as shown on map. Building is a 1½-story cement block structure with composition on wood roof, wood apparatus floor, steam heat, electric lights, and a siren located on the roof of the store across the street. **Equipment:** A 1922 Reo 300-g.p.m. triple combination pumping engine carrying a 60-gallon booster tank, 150 feet of booster hose, 1,850 feet of 2½-inch hose, 3 lengths of 3-inch suction hose, 2 short ladders

and meager minor equipment. All 2½-inch hose is C.R.L. with National Standard screw couplings and was bought used. It is dried in the elevator shaft of the store across the street, shifted about once a month and tested at drills at pump pressures. It is probable that the entire supply of hose is over five years old and none is held in reserve. **Hibernia Volunteer Fire Company No. 1:** Membership 28. Located on Hibernia Avenue as shown on map. Building is a 1-story frame structure with composition on wood roof, wood apparatus floor, hot air heat, electric lights and siren on roof. **Equipment:** A 1939 Ward La France 500-g.p.m. triple combination pumping engine carrying a 300-gallon booster tank, 800 feet of 2½-inch hose, 300 feet of 1½-inch hose, 150 feet of booster hose, 2 lengths of suction hose, 2 short ladders, 2 gas masks, and fair minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings and is dried on a nearby hose rack belonging to the New Jersey Forest Fire Service. It is shifted and tested at drills at pump pressures and no hose is over one year old. There is no reserve hose. **Picatinny Arsenal:** Department is owned and operated by the United States Government and covers only the government reservation including the Picatinny Arsenal and the Lake Denmark Naval Station. Apparatus consists of a 1918 American La France 750-g.p.m. triple combination pumping engine carrying a 40-gallon booster tank, with CO<sub>2</sub> as expellant, 1,200 feet of 2½-inch hose, 200 feet of booster hose, 2 short ladders, and good minor equipment. A 1937 U. S. A. 750-g.p.m. triple combination pumping engine carrying a 100-gallon booster tank, 1,100 feet of 2½-inch hose, 300 feet of booster hose, 2 short ladders and good minor equipment. A rebuilt 1918 La France chemical engine with two 40-gallon chemical tanks and numerous knapsack-type pumps. **Green Pond Corporation Fire Department:** Department is under the control of the development company at Green Pond which owns house, apparatus and equipment. Membership during the summer about 35 and during the winter about 6 or 8. Located on Sunnyside Lane. Building is a 1-story frame garage with electric lights, oil stove for heat, composition on wood roof, wood floor and a siren located on the hotel at the north end of the lake. **Equipment:** A 1915 Seagrave 350-g.p.m. triple combination pumping engine carrying one 45-gallon chemical tank, 250 feet of chemical hose, 250 feet of 2½-inch hose, 100 feet of 1½-inch hose, 4 ladders ranging from 12 to 30 feet and meager minor equipment. A 1929 Buick with two 50-gallon chemical tanks, 100 feet of chemical hose, and one knapsack-type pump. There is a 50-g.p.m. portable pump located at the boat house at the end of Cliffside Lane on Green Pond. **Operations:** The Mount Hope and Hibernia Departments are governed by township ordinance and their own by-laws. Chief has control of company apparatus at all times and of men at fires and drills. Engines are started from 3 to 6 times weekly. In the Mount Hope Department 5 members are appointed as drivers, but all members are permitted to drive and operate pump. In the Hibernia Department 6 drivers are appointed. **Drills and Training:** The Mount Hope and Hibernia Departments drill independently once weekly, weather permitting, under the supervision of the department chiefs. Drills consist of hose and ladder work, pump operation, and use of equipment. **Fire Methods:** Booster lines are used on incipient fires reinforced by engine lines with shut-off nozzles. Two smoke and ammonia gas masks are provided at the Hibernia Department, but there are no salvage equipment nor heavy stream appliances. **Response to Alarms:** The Mount Hope Department responds to all alarms in the southwest section of the township. The Hibernia Department responds to alarms in central section as far north-east as Marcella. Outside aid may be obtained from Wharton, Dover, Denville, and Rockaway Borough. **Building Inspection:** No regular inspections are made in the township. **Records and Reports:** Fairly complete records are kept by the chief officers. Monthly reports are submitted to the township committee. **Fire Alarms:** Alarms from the southwest section of the township are telephoned to the store opposite the fire house in Mount Hope during the day and to the department secretary's residence during the night. Siren located on top of the store is sounded by means of switches located outside of the store and on the front of the fire house. Alarms from the central section of the township are telephoned to a general store near the fire house in Hibernia. Someone is present at the store 24 hours a day. Alarms are sounded on the siren which is located on the top of the Hibernia fire house by means of switches located at the store and on the front of the fire house.

**POLICE DEPARTMENT:** Consists of 16 special officers, 4 of whom have uniforms. No vehicle is provided.

**BUILDING LAWS:** No municipal regulations.

**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.

**ZONING ORDINANCE:** None.