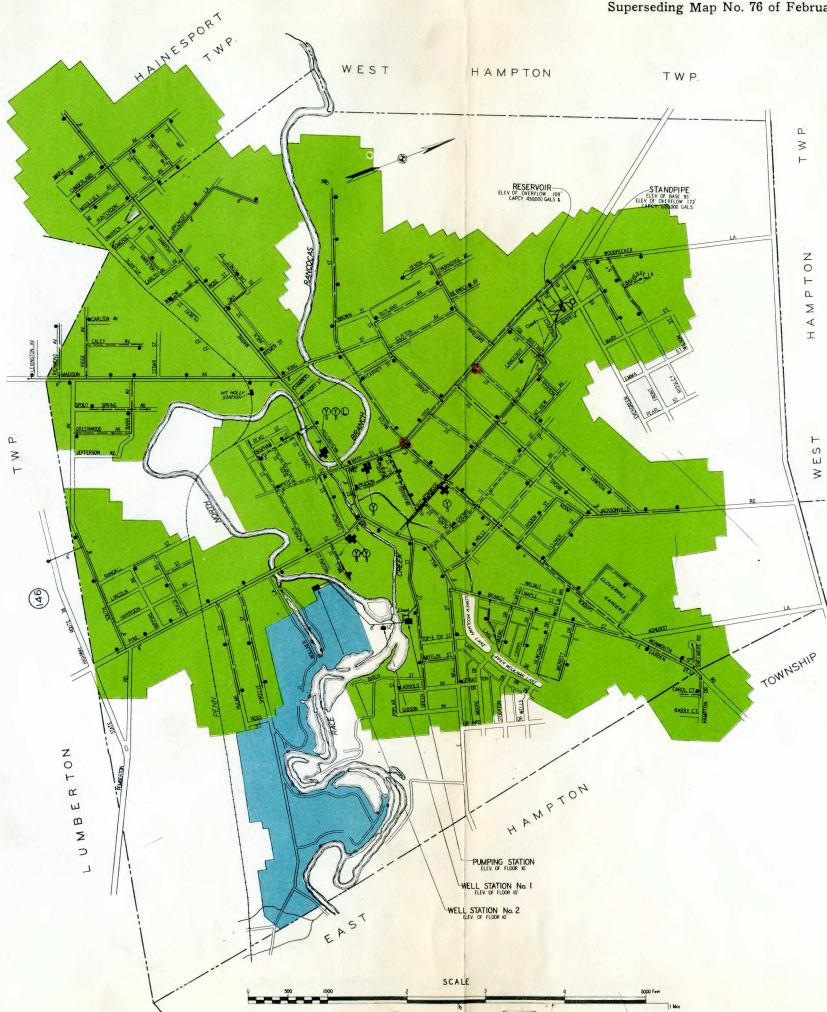


Superseding Map No. 76 of February 28, 1950. Please destroy old issue.



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

Mount Holly Township
Burlington County, New Jersey

APRIL 15, 1952

- Fire hydrant shown thus
- Gate valve shown thus
- Fire house shown thus
- Fire apparatus designated by symbols thus:
- ① Pumping engine and hose car
- ② Ladder truck
- ③ Booster tank or tanks on above

KEY

PROTECTED FIRE ZONE: Shown in Green.

BLUE ZONE: See specific rates.

Not shown on this map: Fire in Engineering Department of F. I. R. O. of N. J.

Elevation range from 10 to 85 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

February 28, 1950.

MOUNT HOLLY TOWNSHIP, BURLINGTON COUNTY, NEW JERSEY.

Population — 1940 Census — 6,892.

IN GENERAL: Located on the Rancocas Creek and the Pennsylvania Railroad about 9 miles southeast of Burlington. It is the county seat of Burlington County and the business center of surrounding farming country. There are 15 industries employing about 950. Area 2.65 square miles. Elevations range from 10 to 85 feet. Main roads concrete, others gravel and macadam in fair to good condition. Railroad crossing at grade, narrow streets, and traffic congestion in center of township might seriously impede response of fire apparatus.

WATER SUPPLY: Water for domestic and fire protection purposes is furnished by the Mount Holly Water Company which supplies water to Mount Holly Township and small sections of Lumberton and Hainesport Townships. **Organization:** System under the supervision of a manager who with a superintendent, 3 station engineers, and a clerk operate and maintain supply works and distribution system. Office in Mount Holly. Yard and shop at pumping station. Records consist of detailed sketches showing the location of all hydrants and valves. Two well-equipped trucks are provided. Superintendent is a member of the volunteer fire department and responds to all alarms of fire. **Supply Works:** Originally built in 1845 and remodeled in 1902. Supply is obtained normally from 2 deep wells 345 and 385 feet deep with 18-inch and 14-inch casings and a capacity of 1.0 m.g.d. each. Wells discharge into two wood sedimentation tanks 36 x 31 x 6 with capacities of 75,000 gallons each and in emergency may discharge directly into distribution system. Supply may also be obtained from the Rancocas Creek which is impounded by a concrete dam with a spillway at elevation 8. Area of reservoir is 2 square miles. Yield is 17.8 to 22.9 m.g.d. Water flows from Rancocas Creek through a 16-inch cast iron pipe to a suction well whence it is pumped into sedimentation tanks by a low lift pump. Water flows by gravity from sedimentation tanks through two 0.5-m.g.d. Jewel filters to a 45,000-gallon clear water basin whence it is pumped by high lift pumps through a 12-inch force main to two elevated reservoirs which act as secondary settling basins and flow by gravity from these to distribution system. **Pumping Station:** Located as shown on map. Building is a 1-story brick structure with slate roof, electric lights, and steam heat. Hand extinguishers are provided. Exposures negligible. Wiring in conduit. Housekeeping good. Elevation of pump room floor 10 feet. **Equipment—Low Lift:** A 1.5-m.g.d. D'Olier centrifugal pump driven by a 25-h.p. G.E. electric motor for creek supply. **High Lift:** Two 1.0-m.g.d. DeLaval centrifugal pumps driven by 30-h.p. G.E. motors. **Generating Station:** Located west of main pumping station along the Rancocas Creek. Building is a one-story brick structure with a tin on wood roof, electric lights. No heat. No hand protection. Exposures negligible. Wiring in conduit. Housekeeping fair. Elevation of floor 10 feet. **Equipment:** A 125-k.v.a. G.E. generator driven by three 36-1/3-h.p. Morgan Smith water wheels. One 125-k.v.a. Fairbanks-Morse electric generator driven by a 120-h.p. Fairbanks-Morse Diesel engine is used for emergency only. There is an emergency connection to the Public Service and equipment may be operated by the Public Service or by the generator. **Well Station No. 1:** Located as shown on map. Building is a 1-story small area cement block structure with a concrete roof and floor, electric light, and electric heat. No exposures. No hand protection. Wiring in conduit. Housekeeping good. Elevation of floor 10 feet. **Equipment:** A 1.0-m.g.d. Layne deep well pump driven by a 30-h.p. G.E. electric motor. **Well Station No. 2:** Located as shown on map. Building is a 1-story small area brick structure with a concrete roof and floor, electric light, and electric heat. No hand protection. No exposures. Wiring in conduit. Housekeeping good. Elevation of pump room floor 10 feet. **Equipment:** A 1.0-m.g.d. Sterling deep well pump driven by a 40-h.p. G.E. electric motor. Well is subject to flooding by the Rancocas River. Both deep wells discharge into a single 8-inch to 12-inch discharge header. **Distribution System:** In one service; see map. Supply to district from reservoir is through a 12-inch main which extends south on Main Street to district fairly well supported with 3-inch, 4-inch, 6-inch, and 8-inch mains. There are 4 closed connections between the 12-inch force main from the pumping station to the reservoir and the distribution system. Gridiron is generally poor with numerous 4-inch and 6-inch dead end mains supplying hydrants. **Reservoirs:** Located as shown on map. Two, formed by earth embankment with clay puddle, brick and stone lined. Capacities 450,000 and 1,000,000 gallons. Elevation of overflow about 109 feet. **Consumption:** The average and maximum daily consumption during 1948 was 0.527 and 0.9 m.g. On December 31, 1948 there were 2,130 services, of which all were metered. **Pipe:** Cast iron, tar coated, bell and spigot joint and Transite, laid with a 3 1/2-foot cover. Total length, 91,011 feet; 9.9% 12-inch, 23.5% 8-inch, 40.9% 6-inch, and 25.7% 4-inch. No trouble from frozen mains or electrolysis. **Gate Valves:** There are 122 of Wood, Rensselaer, and Ludlow makes set in iron boxes to grade. All turn right to open. No regular inspection. **Hydrants:** There are 111 hydrants on the system of various makes of standard type with either one or two 2 1/2-inch and one 4 1/2-inch outlets and 4-inch or 6-inch branches, of which about 70% are gated. All 2 1/2-inch outlets are National Standard and large outlets are 4 1/2-inch outside diameter with 8 threads per inch. Hydrants are inspected annually. Those operated during resurvey were found to be in good condition. **Pressures:** Readings taken at 15 hydrants widely distributed showed pressures ranging from 17 to 40 pounds with an average of 28 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on June 9, 1949 by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

High St. S. of Murrell St., 1,400—40—24.
White and Monroe Sts., 240—35—*.
Shreve St. 1,150 ft. E. of Pine St., 170—30—*.
Shreve St. 600 ft. E. of Pine St., 120—30—*.
Hulme St. 1,100 ft. E. of Pine St., 320—30—*.
South Ave. and Randall St., 350—23—*.
South Ave. and Greenwood Ave., 120—23—*.
Spout Spring and Bank Ave., 370—25—*.
Willow St. 400 ft. S. of Washington St., 170—34—*.
King and Washington Sts., 710—34—17.
Water and Brown Sts., 500—24—*.
Water St. 1,000 ft. W. of Brown St., 90—21—*.

Jacksonville Rd. and Ridgeway St., 510—17—8.
Branch and Garden Sts., 330—23—*.

Hainesport Township—
Cumberland Ave. and 3rd St., 340—27—*.

*No reading taken.

FIRE DEPARTMENT: A volunteer organization of four companies under partial control of township which appropriated \$8,800 for the support of the department in 1949. Township owns most of the equipment and companies own houses. Total active membership 516, of whom about 50 are available at all times. There are a chief and three assistant chiefs who are elected annually by the companies and serve for a term of two years. Each company has a foreman or captain and several assistants who are elected annually by the company. Election of officers is not confirmed by the township. Companies operate more or less as individual units. **Companies—Relief Fire Company No. 1:** Membership 180. Located on Pine Street opposite Church Street. Building is a two-story joisted brick structure with a concrete apparatus floor, tin roof, gas heat, electric lights, and telephone. **Equipment:** A 1922 Ahrens-Fox 750-g.p.m. triple combination pumping engine carrying a 60-gallon booster tank, 200 feet of booster hose, 1,000 feet of 2 1/2-inch hose, 1 gas mask, 2 short ladders, and fair minor equipment. A 1941 Mack 750-g.p.m. triple combination pumping engine carrying a 300-gallon booster tank, 200 feet of booster hose, 300 feet of 1 1/2-inch hose, 1,800 feet of 2 1/2-inch hose, 2 short ladders, 1 salvage cover, 4 gas masks, and good minor equipment. **Union Hose Company No. 2:** Membership 190. Located on Washington Street west of High Street. Building is a two-story joisted brick structure with a tin and slate roof, concrete apparatus floor, hot water heat, electric lights, telephone, hose tower, and siren. **Equipment:** A 1938 G.M.C.-Ward La France 500-g.p.m. triple combination pumping engine carrying a 300-gallon booster tank, 500 feet of booster hose, 300 feet of 1 1/2-inch hose, 2 short ladders, and fair minor equipment. A 1946 Seagrave 500-g.p.m. triple combination pumping engine carrying a 300-gallon booster tank, 300 feet of booster hose, 600 feet of 1 1/2-inch hose, 1,200 feet of 2 1/2-inch hose, 2 short ladders, one 1,500-watt generator, 2 floodlights, and fair minor equipment. A 1925 Seagrave 65-foot aerial truck carrying 8 other ladders ranging from 12 to 40 feet and totaling 166 feet, a life net, and good minor equipment. **Good Intent Fire Company No. 3:** Membership 156. Located on the corner of Garden and Buttonwood Streets. Building is a two-story joisted brick structure with a metal roof, concrete apparatus floor, electric lights, steam heat, and telephone. **Equipment:** A 1949 Seagrave 750-g.p.m. triple combination pumping engine carrying a 300-gallon booster tank, 300 feet of booster hose, 400 feet of 1 1/2-inch hose, 1,250 feet of 2 1/2-inch hose, 2 gas masks, 2 short ladders, and fair minor equipment. **America Hose Company No. 4:** Membership 90. Located on High Street near Mill Street. Building is a two-story joisted brick structure with a composition roof, concrete apparatus floor, gas heat, electric lights, hose rack, telephone, and siren. **Equipment:** A 1934 Seagrave 500-g.p.m. triple combination pumping engine carrying a 150-gallon booster tank, 200 feet of booster hose, 400 feet of 1 1/2-inch hose, 1,000 feet of 2 1/2-inch hose, 1 gas mask, 2 short ladders, and fair minor equipment. **Hose:** All 2 1/2-inch hose is C.R.L. with National Standard screw couplings. It is tested at from 100 to 300 pounds two to three times a year, shifted at fires and drills, and dried in hose rack and on apparatus floor. There is 5,200 feet of 2 1/2-inch hose in reserve and about 2,500 feet is over five years old. **Operations:** Department governed by company by-laws. There is no township ordinance governing the fire department, but township exercises some control. Chief has control of apparatus at all times and of men at fires and drills. Motors are started daily. Ten members of each company are assigned to drive apparatus. **Drills and Training:** Each company drills monthly in good weather under the supervision of assistant chief or foreman. **Fire Methods:** Booster streams used on incipient fires reinforced by engine and hydrant lines with shut-off nozzles. Some gas masks and salvage equipment are provided, but no heavy stream appliances are carried. **Response to Alarms:** All companies respond to a general alarm. Two companies are assigned to answer all out-of-town calls each month. Outside aid may be secured from Burlington, Moorestown, and Bordentown. **Building Inspection:** An occasional inspection is made of stores and factories by the fire department. **Records and Reports:** Complete records are kept of all fires and monthly reports are made to chief and to Burlington County Firemen's Association. **Fire Alarms:** Alarms of fire are telephoned to home of chief or to various fire houses or homes near the fire houses. For a general alarm siren on America Hose Company No. 4 is sounded.

POLICE DEPARTMENT: Consists of a chief, 8 patrolmen, and 15 specials. One automobile with two-way radio is provided. Patrolmen respond to all alarms of fire and report all unauthorized building construction to building inspector. There are 24 fire police.

BUILDING LAWS: Code adopted June 5, 1924 provides for the appointment of a building inspector and requires that plans be filed before a permit be granted. Code has some fair regulations in regard to chimneys, flues, and heating appliances, but in general does not conform to the National Building Code. Fire limits are established and flammable roof coverings are prohibited only in fire limits. State Laws provide some good regulations for construction of factories, tenement houses, and public schools, and fire protection and safety features for hotels.

FIRE PREVENTION LAWS: No municipal regulations. State Laws adequately cover the manufacture, storage, and handling of explosives, and provide for regulations governing the intrastate transportation of explosives and flammable liquids. They also restrict the discharge of fireworks to responsible bonded parties and embody good requirements for motion picture booths and the hazard incident to the display of motion pictures except that flammable film and portable booths are permitted for temporary exhibitions, and enclosures for projection equipment are not required in schools. The State Tenement House Act restricts keeping and handling of certain combustible materials in tenements.

ZONING ORDINANCE: Adopted July 16, 1946.