

May 5, 1920.

BOROUGH OF WESTVILLE, GLOUCESTER COUNTY, NEW JERSEY

(Including South Westville and Newbold)

Population 2,400

IN GENERAL—Located on the West Jersey and Seashore R. R. about six miles from Camden at junction of Big Timber Creek and Delaware River. Mainly a suburban community; one shirt waist factory employing 30 to 40 hands. Area about 0.8 square miles. Elevations range from 0 to 40 feet above mean high tide. Main thoroughfares macadam in fair condition, balance of streets dirt, mainly in poor condition. Railroad crossings at grade said not to have interfered with response of fire apparatus at Westville, but have caused delay at South Westville.

WATER SUPPLY—Originally installed in 1898 by American Pipe and Construction Company. The Westville and Newbold Water Company owns and operates the supply works and distribution system and supplies water to the Borough of Westville for domestic and fire protection purposes. Contract expires July, 1920. Office in Westville. System maintained by local superintendent who is also a plumber. Records fair; employees do not respond to alarms of fire. **Supply Works**—Supply taken from two 4-inch and two 6-inch deep wells, 114 feet deep, by direct suction and pumped to elevated tank and distributed by gravity. Pumping station located on Crown Point Avenue near River Drive. Building one-story, brick, slate roof, cement and wood floor, with frame garage and shop adjoining; stove for heating and electric lighting. Floor at about elevation 10, but pump pit at above elevation 0. No inside hand fire protection. Equipment includes two Deming triplex power pumps each rated at 220 gallons per minute, ordinarily operated at rate of about 168 gallons per minute; each pump driven by 13½-h. p. Otto gasoline engine using K. O. for fuel. Pumps operated eight to ten hours daily, and in case of fire one pump is started and if need be the second pump is started. No regular attendant. Elevated tank located at pumping station, steel, size 25 x 25 feet, capacity 101,900 gallons, on 90-foot steel tower with base at about elevation 10. **Distribution System**—See map. **Pipe**—All cement except about 500 feet which is cast iron, tar coated, bell and spigot joint. Total length 40,680 feet; 4-inch, 38 per cent; 6-inch, 53 per cent; 8-inch, 0.07 per cent; 10-inch, 0.7 per cent. Pipe laid with 2- to 3½-foot cover. During winter 1919-20 6-inch main froze. **Gate Valves**—55 gate valves on distribution system, of Ludlow make, said to be set with iron boxes at grade. No valve inspection. Fire department not notified when valves are closed. **Hydrants**—36 hydrants of the Ludlow make, each with two 2½-inch outlets, 6-inch barrels, and 4- and 6-inch branches, mainly un gated. Hydrants said to be inspected once a year. At time of inspection hydrants found in fair to poor condition. **Pressure**—Recording gauge in office at about elevation 14 showed 52 pounds at time of inspection; mercury altitude gauge at pumping station out of order. Readings taken at seven hydrants show pressures range from 45 to 52 pounds with an average of 49 pounds. **Fire Flow Tests**—Probably supply available for fire protection purposes was measured by means of Pitot tubes at the following locations with the results as given: Location of test, discharge in gallons per minute, pressure with hydrants closed and pressure with hydrants open are as given consecutively: Sixth and Summit, 608, 52, 11; Elm near Cleveland, 279, 45, 14; Broad near Walnut, 381, 47, 12; Broad and Pine, 686, 52, 16.5; Silver Lake and Almonessen, 486, 48, 14; Center and Edgewater, 381, 48, 21.5.

FIRE DEPARTMENT—Two separate volunteer organizations not under control of Borough, one at Westville and the other at South Westville. Officers of each department elected annually. Each department owns its own house and apparatus; Borough buys hose. **Companies**—Company No. 1 located at Crown Point and Woodbine Avenues. Building 2-story, brick, metal roof, wood floor, stove for heating and electric lighting. Door locked and keys distributed. 33 members, one-third of whom are employed in town. Equipment includes one automobile hose wagon (1917 Lippard Stewart chassis converted) carrying 800 feet of 2½-inch hose, one 30-foot extension ladder, two short ladders and small amount of minor equipment; one hand drawn hose reel, carrying 600 feet of 2½-inch hose is held in reserve. Company No. 2 located at South Westville on Chestnut near Folsom. Building 1½-story, frame, shingle roof, wood floor, stove for heating and gas lighting. 50 members, one of whom is employed in town. Equipment includes the following: One automobile hose wagon (1914 Lippard Stewart chassis converted) carrying 1,000 feet of 2½-inch hose, two 35-gallon chemical tanks, 350 feet of chemical hose, two 2½-gallon extinguishers, two short ladders and small amount of minor equipment; one 2-wheel hand drawn 50-gallon chemical engine with 350 feet of chemical hose. **Hose**—All 2½-inch hose is C. R. L. with Jones snap couplings and kept on apparatus. After use at fires and drills hose is washed and dried on sidewalks at South Westville and inside of building at Westville. No regular tests, but about twice a year hose subjected to shut-off nozzle test. **Operations**—No fire department ordinance. Each department is governed by its own by-laws. Chiefs have full control of apparatus at all times and men at fires and drills. They have no power to suspend members but may prefer charges. Motors of automobile apparatus said to be turned over once a week at Westville and twice a day at South Westville. Three men appointed as drivers at Westville and ten at South Westville. **Drills and Training**—Said to be held from five times a year to twice a month and to consist of stretching hose and ladder work. **Fire Methods**—Hand extinguishers and chemical lines are used where small fires are indicated. 2½-inch hydrant lines with shut-off nozzles are used for more advanced fires. **Response to Alarms**—Both companies respond with automobile apparatus to all alarms. Outside aid may be secured from Woodbury, Gloucester and Camden. **Reports and Records**—Incomplete. **Fire Alarms**—Sounded on locomotive tires and tower bell with coded signal.

POLICE DEPARTMENT—One uniformed officer on duty daily until midnight; 50 special officers appointed.

BUILDING LAWS—None.

EXPLOSIVES AND INFLAMMABLES—No regulations.