



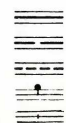
THE FIRE INSURANCE RATING  
ORGANIZATION OF N. J.  
ENGINEERING DEPARTMENT  
NEWARK 2, N. J.

**Surf City Borough**  
**Ocean County, New Jersey**

DECEMBER 31, 1949

**KEY**

- PROTECTED FIRE ZONE: Shown in Green.
- Note.—For description of fire protection, etc., see other side.
- Elevations range from 0 to 15 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
- Fire hydrants shown thus
- Gate valves shown thus



**SURF CITY BOROUGH, OCEAN COUNTY, NEW JERSEY.**

Population—1940 Census—129. Estimated Summer Population—1,200.

**IN GENERAL:** A seashore resort located on Long Beach Island between the Atlantic Ocean and Little Egg Harbor north of Ship Bottom-Beach Arlington. Area 0.75 square mile. Elevations range from 0 to 15 feet. Main roads macadam, others gravel in fair to poor condition. No features which might seriously affect the response of fire apparatus.

**WATER SUPPLY:** Water for domestic and fire protection purposes is furnished by the borough which owns supply works and distribution system and supplies water to the borough and the portion of Long Beach Township north of the borough.

**Organization:** System is under the supervision of a superintendent who is appointed annually by the mayor and council. Records consist of a wall map showing location of valves, hydrants, and pipe. A truck is provided. **Supply Works:** Water is obtained from one 10-inch well 585 feet deep with a yield of 0.936 m.g.d. and from one 8-inch well 625 feet deep with a yield of 0.180 m.g.d. Water is discharged directly to main with standpipe acting as an equalizer. There are closed emergency connections to the Ship Bottom-Beach Arlington and the Harvey Cedars distribution systems. **Well Stations:**

Located as shown on map. Well station No. 2 is located on 14th Street and well station No. 3 is located on 2nd Street. Buildings are 1-story cement block structures with wood roofs and electric lights. Moderate exposures. Wiring in conduit. House-keeping fair. Elevation of pump room floors 13 feet.

**Equipment:** One 0.504 Peerless deep well pump driven by a 20-h.p. U. S. electric motor with a 24-h.p. Wisconsin gasoline engine as an auxiliary. One 0.36-m.g.d. Peerless deep well pump driven by a 15-h.p. U. S. electric motor. **Distribution System:**

In one service; see map. Arterial system is generally poor with long unsupported 6-inch mains extending north and south along Long Beach Boulevard from pumping station supplying hydrants.

**Standpipe:** Located as shown on map at North 14th Street; steel, 16 x 115 feet, capacity 173,000 gallons. Elevation of base 13 feet. Elevation of overflow 128 feet.

**Consumption:** The average and maximum daily consumption during 1948 was 0.6 and 0.9 m.g. On December 30, 1948 there were 600 services, none of which was metered. **Pipe:** All pipe is cast iron, tar coated, bell and spigot joint, laid with a 3-foot cover. No trouble reported from frozen mains, electrolysis, or tuberculation. Total length 14,400 feet; 18.8% 8-inch, 70.1% 6-inch, and 11.1% 4-inch.

**Gate Valves:** There are 27 of Kennedy and Wood makes set with iron boxes to grade. Direction of operation is uniform. No regular inspection. **Hydrants:**

There are 25 of Kennedy and Wood makes of standard type with two 2½-inch and one 4½-inch outlets and 4-inch or 6-inch ungated branches. Hose and steamer outlet threads are National Standard. Hydrants are inspected annually. Those operated during inspection were found to be in good condition. **Pressures:**

Indicating gauge in pumping station showed a pressure of 52 pounds. Readings

taken at 4 hydrants widely distributed showed pressures ranging from 48 to 49 pounds with an average of 48 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on August 7, 1942 by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

Long Beach Blvd. and South 1st St., 455—48—4.

Long Beach Blvd. and North 9th St., 960—48—18.

Long Beach Blvd. and North 22nd St., 650—48—17.

Long Beach Township:

Long Beach Blvd., 4,300 ft. N. E. of North 25th St., 380—49—8.

**FIRE DEPARTMENT:** There is no organized fire department. The borough contributed \$150 to the Ship Bottom-Beach Arlington Fire Department and \$100 to the Harvey Cedars Fire Department during 1948. These companies respond to all alarms of fire. For a description of these departments see reports with maps Nos. 331 and 430. **Fire Alarm System:** Alarms of fire are telephoned to operator in Ship Bottom-Beach Arlington who summons fire companies.

**POLICE DEPARTMENT:** Consists of a chief, one officer, and 20 specials. One car is provided. Patrolmen respond to alarms of fire and report unauthorized construction to the building inspector.

**BUILDING LAWS:** Code adopted May 3, 1947 provides for the annual appointment of a building inspector and requires that plans be submitted before building operations may begin. Code has fair regulations in regard to the construction of chimneys, but in general does not conform to the recommended National Building Code. No fire limits are established and flammable roof coverings are allowed throughout the borough. 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 their intrastate transportation. 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.