

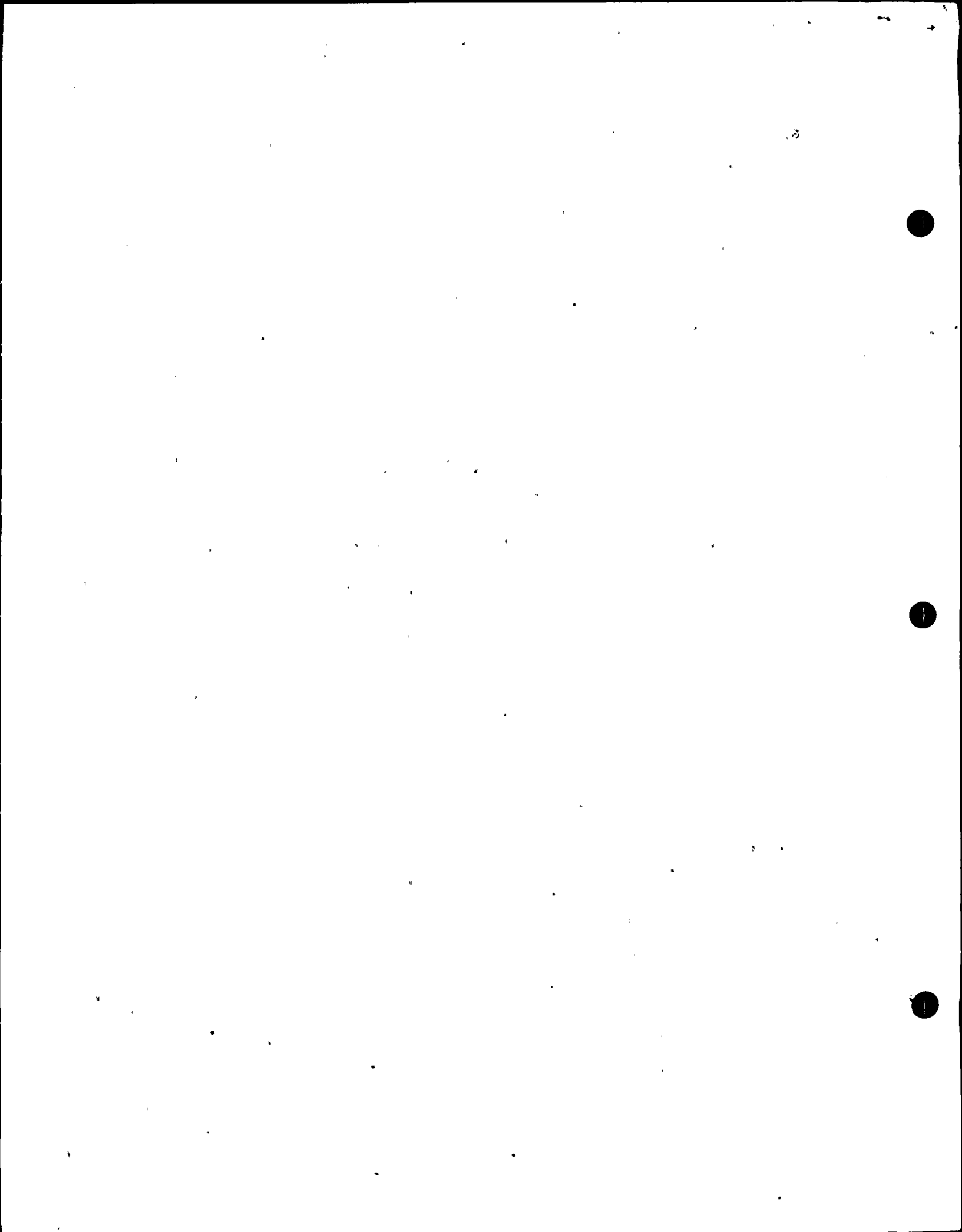
217-A

Statement For The Record
By
Hollis S. Ingraham, M.D.
Commissioner
New York State Department of Health

In Connection With The United States Atomic Energy Commission Hearing To Consider Issuance Of A Construction Permit To Rochester Gas And Electric Power Corporation To Construct A Pressurized Water Reactor To Be Located On The South Shore Of Lake Ontario, Town Of Ontario, Wayne County, New York

The New York State Department of Health is conducting an analysis of the Brookwood Nuclear Power Reactor Site located in Wayne County on the south shore of Lake Ontario. Representatives of the Bureaus of Radiological Health Services, Water Resource Services and Air Pollution Control Services, have reviewed the "Preliminary Facility Description And Safety Analysis Report," and supplements thereto prepared by the Rochester Gas and Electric Corporation and submitted to the U.S. Atomic Energy Commission as Exhibit D in support of their application for a permit to construct a pressurized water reactor. Nuclear power reactors are of interest particularly to the Department of Health of the State of New York because of its public health responsibility in the field of ionizing radiation, water pollution, and air pollution control. Staff members of the Health Department have met with representatives and consultants of the Rochester Gas and Electric Corporation, the U.S. Atomic Energy Commission, and the U.S. Public Health Service to review the plant design as it relates to environmental releases. The comprehensive Safety Analysis Report prepared by the Rochester Gas and Electric Corporation has facilitated the review of the environmental considerations relating to plant releases.

Staff members of the Health Department, with extensive help from local health departments, have partially completed a comprehensive environmental survey within 25 miles of the site. The survey when completed will provide information helpful in formulating the limits upon routine plant discharges to the environment and should be valuable in developing stand-by plans for protecting life and property in the unlikely



event of an accident. We will supply the results of our survey to the full-time local health departments, to the applicant, and to the Atomic Energy Commission staff for this purpose. The survey to date has provided data on population density, agriculture, surface water supplies, and live stock for most of Wayne and Monroe Counties and for the northern portion of Ontario County.

The major characteristics of the surveyed area as determined by the survey are:

1. The population within a 25 mile radius is approximately 616,000 persons with more than 50% of the population residing within the City of Rochester. About 6,200 persons of this total population reside within a 5 mile radius of the site. Other than the City of Rochester, the larger populated areas are concentrated in the suburban towns about the City of Rochester and in the Village of Newark, with a population of 12,800 located southeasterly of the site.
2. The Ontario Water District is the nearest public water supply securing water from Lake Ontario. The intake is located 1.1 miles east of the site and serves a population of over 3,000 people. The water treatment plant consists of chemical coagulation, filtration and chlorination. Three other public water supply intakes are east of the site and located at a distance of approximately 6.5, 12.5 and 15.3 miles. Three public water supply intakes are located to the west of the site at a distance of 16, 17 and 24 miles, respectively. These seven water intakes within 25 miles of the site securing water from Lake Ontario serve an estimated population of 240,000 people. These public water supplies securing water from Lake Ontario provide at least filtration and chlorination. A proposed water intake 6 miles

west of the site may serve the Town of Webster and the Monroe County Water Authority.

3. Lake Ontario is used for recreational purposes including bathing, boating and fishing.
4. There are seven milk producing dairy farms with approximately 210 dairy cattle within 5 miles of the site. Two of these farms are located within $3\frac{1}{2}$ miles in a south and southeasterly direction from the site. Thirty-two milk receiving and processing plants are within 25 miles of the site. None of the plants are within 5 miles. The 32 milk processing and receiving plants handle 479,000 quarts of milk daily.
5. Major agricultural production within 25 miles of the site includes the growing of apples, pears, and cherries. From the 1959 census, Wayne County ranks third in the nation in quantity of apples grown and fifth in the nation for production of cherries. Approximately 70% of the land area is devoted to agricultural or dairy activities. Some 124 food processing companies are within the study area.

The applicant does not estimate the amount of routine gaseous and liquid environmental discharges of radioactivity, although it is indicated that these discharges will be within the limits of Title 10, Part 20, of the Code of Federal Regulations. The U.S. Atomic Energy Commission staff in its safety evaluation has recognized the need for consideration of total intake through air, water and food in establishing release limits for this facility.

We believe that the proposed facility can be operated with discharges of radioactivity to the environment within appropriate levels and the Department is prepared to cooperate with the Commission and the applicant in evaluating and establishing appropriate release limits.

We believe that a surveillance program adequate to evaluate the radiological releases can be developed. This Department will be glad to cooperate in reviewing the program and to assist in its implementation.

The State Health Department will continue to review the information developed and submitted by the applicant for purposes of the final Safety Analysis Report, including the emergency procedures to be developed.

We have discussed this matter with representatives of the New York State Conservation Department and it is agreed that the proposed facility can be operated without harmful radiological effects to the fish and wildlife resources of the State of New York.

The Brookwood Site is located in an area with relatively low population density and moderate to heavy agricultural usage. The Preliminary Safety Analysis Report and plant description have taken these circumstances into account and provide, in our opinion, the basis of design of a nuclear power plant at this site which may be operated without undue hazard to life and health of the people of the State of New York.