

Information on the radioecological situation in Kiev

November 20, 1986

Secret

Situation in the city as of 9:00 AM, 20/11/86

1. Radiation situation:

Radiation level at the ground surface: 0.6–1.0 $\mu\text{Sv/hr}$.

2. Water, food and food raw materials quality indicators based on radiometric data:

– Water in clean water reservoirs from the Desna River at the Dneprovskaya waterworks: 0.37 Bq/L, Desnyanskaya: 3.7 Bq/L.

Water in the Dneprovskaya water intake bucket: 3.7 Bq/L. In the city water supply: 0.37 Bq/L (the standard for water is 37 Bq/L).

– Milk delivered to Dairies Nos. 1, 2, 3, and the Kiev-Svyatoshinsky Dairy Plant complies with the "Temporary Standards" (since August 1, 1986, the standard is 370 Bq/L). Currently, the indicators are 3.7 Bq/L–16%, 37 Bq/L–84%.

Constant dosimetric monitoring of food products, vegetables, and fruits entering the city's retail network and markets is being conducted. Over the past 24 hours, 3,339 samples were taken, of which 29 were contaminated (1 fruit, 1 berry, 27 grains).

3. Medical care:

Over the past 24 hours, 1 person sought treatment at medical facilities, bringing the cumulative total to 21,023. One person was hospitalised for examination from Kiev, bringing the cumulative total to 3,137 people. 76 people are undergoing treatment, including 13 children. There are 14 people with a confirmed diagnosis of radiation sickness (cumulative total of 112 people), including 11 people with mild illness, 1 person with moderate illness (Mr. Voronenko M.Ya., 79 years old, pensioner, from Pripyat, was discharged from Hospital No. 25 with a diagnosis of ARS *[acute radiation sickness]* stage II), and 2 people with severe illness.

4. Organising dosimetric monitoring on roads (entrances to and exits from the city)

Checkpoints with dosimetric monitoring have inspected 40,967 vehicles. Of these, 37 were detained and sent back. 2 were registered in Kiev.

5. Organisational and practical measures

Two winter special processing stations for equipment have been commissioned at the Gostomel and Bogatyrskaya checkpoints. Construction readiness of the checkpoints:

– Bykovnya – 90%, equipment adjustments are underway;

– Gorenichi – 50%, hangar assembly is underway.

The Institute for Nuclear Research is re-equipping DP-5 devices to determine beta contamination of surfaces.

To check for contamination of personal belongings of citizens arriving from the Chernobyl region, the following has been organised:

– Dosimetric monitoring in residential areas in Kiev;

– An additional radiation monitoring station at the river port.

The city's Civil Defence Headquarters, with the participation of representatives from the City Sanitary and Epidemiological Station and the Animal Disease Control Station, organised an inspection of the radiometric laboratories and the sanitary conditions of food processing facilities.

The city's Civil Defence Medical Service organized a survey of residents of the Kiev region referred from areas with unfavourable radiation conditions. As of November 20, 1986, 8,400 people had been screened.

Medical and sanitary monitoring of the health and working conditions of dosimetrists and maintenance personnel at the PUSO has been established.

The city's Civil Defence Headquarters, together with specialists from the City Sanitary and Epidemiological Station, is conducting radiometric monitoring of equipment from the city's industrial enterprises, removed from the 30-km zone.

Measures are being taken to decontaminate it and replace it if it is highly contaminated.

A special KPI group, created at the city's Civil Defence Headquarters, is constantly purifying water at the PUSO using reagents (according to the method of Comrade A.P. Shutko), and removing radioactive sludge for disposal by the Kievspetstrans plant.

11,000 people and 154 units of watering equipment participated in the city's decontamination efforts.

The city's Civil Defence Headquarters continuously monitors the removal of collected biomass in the city's districts, particularly in the private sector.

5,991 cubic meters of biomass were removed to the landfill in the village of V. Dmitrovichi in the past 24 hours, for a cumulative total of 240,431 cubic meters (69%).

Chef of Staff – Deputy Chief of Kiev Civil Defence
A Fedorenko