

Information on the radioecological situation in Kiev

November 4, 1986

Secret

City situation as of 9:00 AM, 4/11/86

1. Meteorological situation:

Wind at an altitude of 1000 m 312 m/s, north-westerly, 12 m/s, no precipitation. Temperature 2–4 degrees.

2. Radiation situation:

Radiation level (beta and gamma contamination) at the ground surface is 0.5–1.5 $\mu\text{Sv/hr}$.

A decrease in the contamination of fallen and concentrated leaf mass is noted, within the range of 1.2–3.7 $\mu\text{Sv/hr}$ (poplar – 1.2 $\mu\text{Sv/hr}$, chestnut – 2.3 $\mu\text{Sv/hr}$, maple – 3.7 $\mu\text{Sv/hr}$). According to a study on 15/10/86: 2.5–4.2 $\mu\text{Sv/hr}$.

3. Quality indicators of water, food products and raw food materials based on radiometric data:

– Water in clean water reservoirs from the Desna River at the Dneprovskaya and Desnyanskaya waterworks: 0.37 Bq/L, 3.7 Bq/L. Water in the Dneprovskaya water intake bucket: 0.37 Bq/L, in the city water supply system: 0.37 Bq/L (the standard for water is 37 Bq/L);

– Milk delivered to Dairy Plants No. 1, 2, 3, and Kievo-Svyatoshinsky complies with the "Temporary Standards" (since August 1, 1986, the standard is 370 Bq/L). Currently, the levels are 3.7 Bq/L–33%, 37 Bq/L–67%.

Constant dosimetric monitoring of food products, vegetables, and fruits entering the city's retail chain and markets is underway. 7,658 samples were taken in the past 24 hours, of which 73 were contaminated (2 stone fruits, 14 grains, 57 other).

4. Medical care:

Over the past 24 hours, 2 people sought treatment at medical institutions, bringing the total to 20,941 people; 2 people were hospitalised, bringing the total to 3,098 people; 91 people are undergoing treatment, including 11 children, 16 of whom have been diagnosed with radiation sickness (for a total of 112 people), including 13 mild cases, 1 moderate case, and 2 severe cases.

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

Checkpoints with dosimetric monitoring have inspected 43,416 vehicles. Of these, 76 were detained and sent for decontamination. Two vehicles are in storage areas, none of which are registered in Kiev.

6. Organisational and practical activities

25,000 people and 260 units of watering equipment participated in the city decontamination efforts.

Construction of the second stage of the landfill in the village of Verkhniy Dmitrovichi is underway. 4,206 cubic meters of biomass were removed to the sites of the first stage in 24 hours, for a cumulative total of 148,934 cubic meters.

Fallen leaves removal from the city's secondary schools and preschools has been completed. Work is nearing completion on preparing nine checkpoints and constructing equipped hangars at four checkpoints (Gostomel, Gorenichi, Bykovnya, Bogatyrskaya Street) for dosimetric monitoring and decontamination of vehicles in winter conditions.

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