

Information on the radiation situation in Kiev

May 7, 1986

For official use only

The situation in Kiev from 8:00 PM on May 6 to 8:00 AM on May 7.

1. Weather conditions:

Direction of the wind on surface - 270°, westerly 3 m/sec, unchanged in the afternoon.

2. Radiation situation:

Gamma radiation levels are 6–12 $\mu\text{Sv/h}$, which is 20–60 times higher than the norm (the norm is 0.15–0.20 $\mu\text{Sv/h}$).

Water analysis at water intakes:

– Dneprovsky — 37 Bq/L, which is within the norm;

– Desnyansky — 3.7 Bq/L, which is within the norm;

(the norm for water is 37 Bq/L).

3. Operation of sanitary and washing stations (SWS)

Five SWS are operational (Demiyevskaya, Troitskaya, bathhouses No. 11 and No. 15, and Zhulyany Airport).

195 people have been treated (cumulative total of 3,172 people).

Since the beginning, 1,702 sets of replacement clothing have been issued, 7,150 kg of contaminated clothing has been removed, and 1,600 kg of contaminated clothing has been decontaminated.

4. Medical care:

175 people sought treatment at hospitals. 135 people were hospitalised, including 38 children. 894 people are undergoing treatment, two of whom are in serious condition; there are no children.

5. Sanitary and Epidemiological Indicators:

City markets: 23 samples taken. Ten of these contained radioactive substances with levels of 3,700–37,000 Bq/kg. Sale prohibited.

Dairy Plants:

Milk: Dairy Plant No. 2, shop – levels exceed standards. Sent for processing into butter at the creameries in Brovary and Yagotin, and into hard cheeses in Tarashcha.

6. Organization of dosimetric monitoring on highways (entrances and exits of the city).

Checkpoints with dosimetric monitoring were used to check 31,028 vehicles, of which 45 were returned for repeated decontamination.

7. Completed organisational measures:

Vehicle decontamination stations were set up near checkpoints: Bykovnya, Chapayevka, Demidov, Teremki, Kyiv HPP, Gostomel, and Schastlivoe.

432 dosimetrists were trained at district civil defence courses on May 5 and 6.

An expert group of specialists has been established and is working to organise monitoring and assessing the radiation situation, led by the Director of the Research Institute of General and Communal Hygiene.

52 institutions and five mobile laboratories equipped with highly sensitive SBP-68158 radiation monitoring devices have been distributed throughout the city.

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