

Information on the radioecological situation in Kiev

August 10, 1986

Secret

City situation as of 9:00 AM, 10/08/86

1. Weather situation:

Wind at an altitude of 1000 m is 310°NW, 57 m/s, unchanged in the afternoon, with brief rain expected. Temperature 26–28°C.

2. Radiation situation:

Gamma radiation level is 0.5–0.8 $\mu\text{Sv/hr}$ (out of 128 measurement points, 1 point has 0.8 $\mu\text{Sv/hr}$, the others are lower).

Radiation level at ground surface is 0.5–2.0 $\mu\text{Sv/hr}$.

Radiation level on beach sand is 0.5–0.7 $\mu\text{Sv/hr}$.

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

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

– Milk delivered to Dairy Plants No. 1, 2, 3, and the Kievo-Svyatoshinsky Dairy Plant complies with the "Temporary Standards" according to monitoring. Currently, the indicators are 3.7 Bq/L, 37 Bq/L, and 370 Bq/L.

Indicators for other food products and food raw materials are normal. Contaminated samples were detected at the city's markets:

– 22 stone fruits out of 1,806 samples;

– 5 fruits out of 3,458 samples.

Sales are prohibited; stone fruits are recommended for processing and fruit for canning.

4. Medical care:

Over the past 24 hours, 7 people sought treatment at medical facilities (a cumulative total of 14,782 people). 7 people were hospitalised (a cumulative total of 2,753 people), 107 people are undergoing treatment, including 18 children; of these, 14 people have been diagnosed with radiation sickness (a cumulative total of 107 people), including 9 with mild illness, 32 with moderate illness, and 2 with severe illness.

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

Checkpoints with dosimetric monitoring have inspected 36,339 vehicles. Of these, 136 were detained and sent for decontamination. One vehicle with a high level of contamination (a cumulative total of 313 vehicles) was detained and placed in storage areas. There are 265 vehicles in storage areas, 241 of which are registered in Kiev.

6. Organisational and practical measures

16,700 people and 273 units of street cleaning equipment participated in the city decontamination work.

The following cumulative amounts of radioactive waste were removed for disposal at a special facility (Pirogovo):

- Industrial ventilation filters – 10,840 kg
- Solid radioactive waste (sand, soil, etc.) – 30,224 kg
- Liquid radioactive waste (sludge removed from waste treatment plants, car washes) – 29,600 kg

43 motor pools were inspected. No vehicles with elevated levels of contamination were detected.

Work continues on the construction of a landfill in the village of V. Dmitrovichi and the drilling of artesian wells to provide water to:

- 58 residents, 57 drilled, 17 wells commissioned;
- 15 food enterprises, 14 completed;
- 9 State Agrarian Committee of the Ukrainian SSR, 6 under drilling, 3 completed.

Chef of Staff – Deputy Chief of Kiev Civil Defence
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