

Information on the radioecological situation in Kiev

August 6, 1986

Secret

City situation as of 9:00 AM, 6/08/86

1. Meteorological situation:

Wind at an altitude of 1000 m is 200 m/s southwest at 7 m/s, unchanged in the afternoon, with a chance of rain. Temperature around 30 degrees

2. Radiation situation:

Gamma radiation level is 0.5–0.8 $\mu\text{Sv/hr}$ (out of 128 measurement points, 3 have 0.8 $\mu\text{Sv/hr}$, the rest 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 is 3.7 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" according to monitoring. Currently, the indicators are 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:

– 12 of 824 stone fruits;

– 1 of 1,307 fruits;

– 1 of 2,220 vegetables.

Sales are prohibited; it is recommended to preserve fruits and process stone fruits.

4. Medical care:

Over the past 24 hours, 117 people (14,566 cumulative total) sought treatment at medical and preventive care facilities. 13 people were hospitalised (2,717 cumulative total), 114 people are undergoing treatment, including 15 children; of these, 13 people (107 cumulative total) have been diagnosed with radiation sickness, including 8 with mild, 3 with moderate, and 2 with severe.

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

Checkpoints with dosimetric monitoring inspected 35,121 vehicles, of which 182 were detained and sent for decontamination. Nine vehicles with a high level of contamination (a cumulative total of 308 vehicles) were detained and placed in storage areas. 264 vehicles are currently in storage areas, 239 of which are registered in Kiev.

6. Organisational and practical measures

15,500 people and 256 units of watering equipment participated in the city decontamination efforts.

Cumulative total of radioactive waste removed for disposal at a special facility (Pirogovo):

- Industrial ventilation filters – 750, 10,170 kg
- Solid radioactive waste (clothing, sand, soil, etc.) – 29,824 kg
- Liquid radioactive waste (sludge removed from waste disposal plants, car washes – 29,600 kg)
- Samples collected and sent to Ovruch, Semipalatinsk

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, 15 wells commissioned;
- 15 food processing facilities, 14 completed;
- 9 by the State Agro-Industrial Committee of the Ukrainian SSR; 6 are under drilling, 3 completed.

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