

Information on the radioecological situation in Kiev

September 3, 1986

Secret

City situation as of 9:00 AM, 03/09/86

1. Meteorological situation:

Wind at an altitude of 1000 m 240, southwesterly, 7 m/s, westerly in the afternoon, 5-10 m/s, possible precipitation. Temperature 15-17.

2. Radiation situation:

Gamma radiation level 0.5-0.8 $\mu\text{Sv/hr}$ (out of 128 measurement points: 2 points 0.8 $\mu\text{Sv/hr}$, the rest lower).

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

Radiation level on beach sand 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 following waterworks: Dneprovskaya 3.7 Bq/L, Desnyanskaya 3.7 Bq/L. Water in the Dneprovsky water intake bucket is 3.7 Bq/L, and 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 of 3.7 Bq/L/L are 26%, and 37 Bq/L are 74%.

Constant dosimetric monitoring of food products, vegetables, and fruits entering the city's retail network and markets is being conducted.

4. Medical care:

Over the past 24 hours, 71 people sought treatment at medical and preventive care facilities (a cumulative total of 16,007 people). Six people were hospitalised (a cumulative total of 2,895 people), 101 people are undergoing treatment, including 13 children; of these, nine people were diagnosed with radiation sickness (a cumulative total of 108 people), including seven with mild radiation sickness and two with moderate radiation sickness.

5. Organising dosimetric monitoring on roads (at and near the city entrances)

A total of 43,710 vehicles were inspected at checkpoints. Of these, 218 were detained and sent for decontamination, and one vehicle was placed in a storage area. There are 241 vehicles in storage areas, 216 of which are registered in Kiev.

6. Organisational and practical measures

14,700 people and 265 units of watering equipment participated in the city decontamination efforts.

38 farms were inspected. No vehicles with elevated levels of contamination were identified.

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, 48 commissioned;

- 15 food processing plants, 15 completed;
- 9 State Agrarian Committee of the Ukrainian SSR, 4 under drilling, 5 completed.

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