

Information on the level of radioactivity in Kiev

May 6, 1986

For official use only

The situation in Kiev from 8:00 PM on May 5 to 8:00 AM on May 6.

I. Weather conditions:

Wind direction 100°, easterly, changing to south-easterly in the afternoon, wind speed 5 m/sec.

II. Radiation situation:

Gamma radiation levels are 7–15 $\mu\text{Sv/hr}$, which is 36–70 times higher than the norm (the norm is 0.15–0.20 $\mu\text{Sv/h}$).

Soil sample analysis will be scheduled at 8:00 PM.

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 3.7 Bq/L).

[Again, the “norm” here is listed at 3.7 Bq/L, in other documents – 37 Bq/L]

III. Operation of Sanitary and Washing Stations (SWS)

Five sanitary and washing stations (SWS) are operational (Demiivska, Troitskaya No. 11, 15 bathhouses, and Zhulyany Airport).

77 people have been treated (2,696 people all together). Since the beginning, 1,607 sets of replacement clothing were issued, 5,310 kg of contaminated clothing has been removed, and 1,300 kg of contaminated clothing has been decontaminated.

IV. Medical care:

174 people sought hospitalisation. 120 people were hospitalised, including no children.

There are 804 people in hospitals; radiation sickness has been confirmed in 185 people, including 6 children. 16 people are in serious condition.

V. Sanitary and Epidemiological Indicators:

City markets — 22 samples taken. Of these, 17 contained radioactive substances with levels of 3,700–37,000 Bq/kg.

Dairy Plants

Milk: Dairy Plants No. 1 and Kievo-Svyatoshinsky — levels exceeded standards. Sent for processing into butter at the Obukhov, Dymer, Makarov, and Yagotin creameries.

VI. Organizing Dose Monitoring on highways (entrances and exits of the city):

There are 8 special checkpoints with dosimetric monitoring around the city.

There are 50 additional posts (without dosimetric monitoring).

During this period, 21,217 units of transport were inspected, of which 33 units were returned for re-decontamination.

VII. Organisational activities completed:

24 portable shelters prepared.

Sent to Chernobyl: a trailer and a remote-controlled bulldozer, 10 excavators, and 500 special containers.

The measures for the water supply to the city's population in the event of a surface water intake shutdown was clarified. The number of mobile tanks, filling stations, and water distribution points for the population was determined. Work has begun on drilling 90 additional artesian wells in the city with a daily flow rate of 30,000 cubic meters.

Chief of Staff – Deputy Chief of Civil Defence of Kiev

A. Fedorenko