

Information on the radioecological situation in Kiev

May 10, 1986

For official use only

Situation in Kiev as of 9:00 AM, May 10, 1986

I. Weather situation:

Wind 90°, east, 3 m/sec.

Temperature 15–25°, variable winds 3–5 m/sec in the afternoon, with gusts up to 10 m/sec during thunderstorms.

II. Radiation situation:

Gamma radiation levels are 5–12 $\mu\text{Sv/h}$, which is 25–60 times higher than the norm (the norm is 0.15–0.20 $\mu\text{Sv/h}$).

Water analysis at water intake points:

- Dneprovsky — 37 Bq/L, which is within the norm;
 - Desnyansky — 3.7 Bq/L, which is within the norm;
- (the norm for water 37 Bq/L).

III. Operation of sanitary-washing stations (SWS):

Two SWS are operational (Troitskaya and Bathhouse No. 11).

208 people have been treated (cumulative total of 3,887 people). Over the entire period, 1,774 sets of replacement clothing have been issued, 7,570 kg of contaminated clothing has been removed, and 2,064 kg of contaminated clothing has been decontaminated.

IV. Medical care:

221 people were admitted to hospitals (cumulative total of 8,944 people), 35 people were hospitalised (cumulative total of 794 people), 583 people are undergoing treatment, including 135 children.

No seriously ill patients. One death.

V. Sanitary and epidemiological indicators:

City markets: Mostly plant-based products were sold.

No increase in gamma radiation was recorded.

Dairy factories:

No. 1, No. 2 Kievo-Svyatoshinsky — levels exceeded permissible limits.

Sent to creameries for processing.

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

Checkpoints with dosimetric monitoring inspected 36,360 vehicles, of which 18 were returned for re-decontamination.

VII. Current organisational events:

- Over the past 24 hours, 160 m³ of dry concrete were shipped from Kiev (Plant No. 5 of Glavkivgorstroy), 173 m³ from the second loading point in Vyshgorod (Yuzhenergoatomstroy base), and 51 m³ from other organizations. Total: 294 m³. It is advisable to deliver dry concrete



by rail or trucks. Concrete mix preparation can be organised at the concrete mixing plants in Ivankov and Polessky, reducing the delivery distance by 100–150 km.

- Water distribution points for the population from departmental artesian wells have begun to be installed at national economic facilities (10 of 120 sites have been completed).

- The City Housing Management Department (Comrade Petroshenko) is conducting an inventory of shaft and tube wells in the private sector. The deadline is May 11.

- A special vessel from the Institute of Hydrobiology of the Academy of Sciences of the Ukrainian SSR is monitoring the water conditions in the Kiev Sea.

Chief of Staff – Deputy Chief of Civil Defence of Kiev

A. Fedorenko