

Information on the radioecological situation in Kiev

May 13, 1986

For official use only

Situation in Kiev as of 9:00 AM, 13/05/1986

1. Meteorological situation:

Wind 290° west, northwest, 5 m/sec., in the afternoon west, 5-10 m/sec., temperature 17-19°.

2. Radiation situation

Gamma radiation at ground level is 4.0-8.0 $\mu\text{Sv/h}$, which is 20-40 times higher than normal (the norm is 0.15-0.20 $\mu\text{Sv/h}$).

Water analysis at water intake points

– Dneprovsky — 370 Bq/L, which is above normal;

– Desnyansky — 3.7 Bq/L, which is within norm;

(the norm for water is 37 Bq/L).

3. Operation of Sanitary-Cleaning Stations (SCS):

One SCS (Demievskaya Bath and Health Complex) is operational. 37 people have been treated (4,273 people cumulatively). Over the entire period, 1,843 sets of replacement clothing have been issued, 8,420 kg of contaminated clothing have been removed, and 2,720 kg of contaminated clothing have been decontaminated.

4. Medical care:

341 people have been admitted to hospitals (9,932 people cumulatively). 23 people have been hospitalised (899 people cumulatively), and 588 people are undergoing treatment, including 143 children. Two people are seriously ill. Died - 1 person (cumulative total - 1 person).

5. Sanitary and epidemiological indicators:

Dairy Plants:

No. 2 — milk and dairy products — normal values.

No. 1 — a total of 163.9 tons of milk were received, of which 23.4 tons came from several farms in the Kiev-Svyatoshinsky and Obukhovsky districts, with values (3,700 Bq/kg) exceeding temporary standards. The milk has been sent for processing.

Kievo-Svyatoshinsky — a total of 159.5 tons of milk were received, of which 115.8 tons came from several farms in the Vyshgorod and Kiev-Svyatoshinsky districts, with values (3,700 Bq/kg) exceeding temporary standards. The milk has been sent for processing.

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

Checkpoints with dosimetric monitoring inspected 15,881 vehicles, of which 14 were returned for re-decontamination.

7. Population migration:

55,700 people left Kiev, including 35,500 by rail, 10,900 by air, and 9,300 by road.

1,285 train and 3,912 air tickets were returned. Of the 302,400 schoolchildren, 177,500 attended classes on May 12, including 127,500 in grades 1–7 and 40,000 in grades 8–10. 4,500 attended boarding schools, and 124,500 were absent.

111,100 children were absent from preschools. A total of 163,700 people are enrolled in preschools. Lists have been prepared for an organized school vacation trip to other regions of the republic (137,500 people).

8. Organizational events:

From 8:00 AM on May 13, radiation reconnaissance was organized by 15 crews in vehicles equipped with DP-5171 and SRP-68172 devices throughout all districts of the city.

An additional 9th vehicle dosimetric monitoring post was deployed at Shevchenko Square. Five special equipment processing sites are being prepared for deployment on the city's main highways, at the expense of the district's civil defence troops (the Dnepropetrovsk and part of the Kiev Civil Defence Regiments).

Excavation work is underway (2,100 cubic meters of soil removed) for the construction of a solid radioactive waste disposal facility (Khotovo).

Work has begun at 15 artesian well drilling sites. Fencing, power and water connections, and shelters have been installed. Drilling rigs have been delivered to some sites. Seven sites have been transferred to Ukrburvod under a deed. Lawn treatment continues, covering 13,065,000 square meters and 9,624,000 square meters of asphalt. 2,096 cubic meters of dry concrete were moved for the nuclear power plant in 24 hours, including:

Main Directorate of Kievmbud — 980 cubic meters;

Kyivprombud Plant — 826 cubic meters;

Ministry of Transport Construction — 290 cubic meters.

As of 12:00 PM, the port stopped accepting concrete due to weather conditions.

Chief of Staff – Deputy Chief of Civil Defence of Kiev

A. Fedorenko