

Information on the radioecological situation in Kiev

May 12, 1986

For official use only

Situation in Kiev as of 9:00 AM, 12/05/86

I. Meteorological situation:

Wind 20°, northeast, 3 m/sec.

In the afternoon, 250°, west, 5 m/sec.

Brief rain, temperature 20°.

II. Radiation situation:

Gamma radiation level is 4.5–10.0 $\mu\text{Sv/h}$, which is 20–50 times higher than normal (the norm is 0.15–0.20 $\mu\text{Sv/h}$).

Water analysis at water intake points:

– Dneprovsky — 37 Bq/L, which is within normal limits;

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

(The norm for water is 37 Bq/L)

III. Sanitary-Cleaning Stations (SCT):

Two SCTs are operational (Troitskaya Bathhouse and Bathhouse No. 11 (Minsk District)).

36 people have been treated (for a cumulative total of 4,099 people).

Over the entire period, 1,797 sets of replacement clothing have been issued, 8,260 kg of contaminated clothing have been removed, and 2,510 kg of contaminated clothing have been decontaminated.

IV. Medical care:

234 people have been hospitalised (for a cumulative total of 9,537 people).

6 people have been hospitalised (for a cumulative total of 856 people).

589 people are undergoing treatment, including 132 children. Seriously ill - 2 people. Deaths - 1 person (cumulative total - 1 person).

V. Sanitary and epidemiological indicators:

Dairies:

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

No. 1 — a total of 174.2 tons of milk were received, of which 29.8 tons, from several farms in the Vasilkov and Kiev-Svyatoshinsky districts, had values (3,700 Bq/kg) exceeding the temporary standards. The milk has been sent for processing.

Kyiv-Svyatoshinsky — a total of 106.6 tons of milk were received, of which 28.0 tons, from farms in the Kyiv-Svyatoshinsky and Vyshgorod districts, had values (3,700 Bq/kg) exceeding the temporary standards. The milk has been sent for processing.

VI. Organisation of dosimetric monitoring on roads (entrances to and exits from the city)

Checkpoints with dosimetric monitoring inspected 31,778 vehicles, of which 14 were returned for repeat decontamination.

VII. Population migration:

56,700 people left Kyiv, including 38,100 by rail, 9,900 by air, and 8,800 by road.

A total of 1,206 train tickets and 5,445 airline tickets were refunded.

Of the 302,400 schoolchildren, 166,900 attended classes on May 11, including 121,900 in grades 1–7, 40,500 in grades 8–10, and 4,500 in boarding schools. 128,100 were absent.

114,700 children (70%) were absent from preschools.

Compared to the previous day, the number of absentees increased by 20,000. A total of 163,700 children are enrolled in preschools.

VIII. Current organizational measures:

7,000 R-2 respirators were received to support the work of non-militarised personnel. These have been placed in reserve by the city's Civil Defence Chief.

Since 6:00 a.m. on May 11, food products have been analysed using KRK-1169 dosimetric systems mounted on two buses, received by the City Sanitary and Epidemiological Station.

The Institute of Hydrobiology of the Academy of Sciences of the Ukrainian SSR prepared and dispatched a research vessel on May 12 to conduct radiation reconnaissance in the Kiev Sea.

Over the past 24 hours, 2,512 cubic meters of concrete were made:

- Main Directorate of Kievmbud – 1,109 cubic meters;
- Kyivprombud Plant – 1,076 cubic meters;
- Yuzzaptransbud Trust – 327 cubic meters.

12,554,000 square meters of lawns were re-treated, or 88%.

The area of asphalt pavement washed away was 10,082 square meters –95%.

Kyivprombud Plant (Comrade Yanchak S.D.) has begun construction of a storage facility for solid radioactive waste; a pit is being dug (Pirogove settlement).

The Water Supply and Sewerage Service (Comrade P.I. Petimko) has prepared documentation for 21 wells.

Glavkyivproekt (Comrade V.S. Koval) Glavkyivgorstroy (Commander A.F. Siletsky) accepted 21 well sites for operation. Work has begun on 9 sites.

Chief of Staff – Deputy Chief of Civil Defence of Kiev

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