

Information on the radioecological situation in Kiev

May 9, 1986

For official use only

Situation in Kiev from 8:00 PM 8 May TO 8:00 AM 9 May

I. Weather situation

Wind 20° N, unsteady at 2 m/sec.

Temperature 10°, no precipitation in the afternoon, variable winds at 3–5 m/sec.

II. Radiation situation:

Gamma radiation levels are 7–12 $\mu\text{Sv/h}$, which is 35–60 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 is 3.7 Bq/L).

III. Operation of sanitary-washing stations (SWS)

Three SWS are operational (Demiivska, No. 15 bathhouse, and Zhulyany Airport).

165 people were treated (cumulative total of 3,688 people).

1,733 sets of replacement clothing were issued over the entire period.

7,570 kg of contaminated clothing were removed and 2,064 kg of contaminated clothing were decontaminated.

IV. Medical care:

779 people were admitted to hospitals (cumulative total: 8,664 people)

67 people were hospitalised (cumulative total: 747 people)

559 people are being treated, including 128 children.

There are no seriously ill people. One death occurred (Lelechenko A.G., 48, Deputy Head of Shop 4 of the Chernobyl NPP).

V. Sanitary and epidemiological indicators:

City markets: 26 samples taken. Of these, six meat samples were contaminated with radioactive substances (3,700–37,000 Bq/kg). Sale prohibited.

The remaining meat samples were within normal limits.

Dairy plants:

- normal values, No. 2 Kievo-Svyatoshinsky - values exceed permissible limits. Sent to creameries for processing. Kefir and ryazhenka from City Dairy Plant No. 2 have been detained pending a decision on their processing method.

VI. Organising dosimetric control on roads (entrances and exits of the city)

Checkpoints with dosimetric monitoring inspected 29,254 vehicles, of which 44 were returned for repeat decontamination.

VII. Organisational measures:

- The city's radiation monitoring network has been additionally equipped with SRP-68 devices.
- A reserve of 346 dosimetrists (cumulative total of 1,166) has been trained through district civil defence courses and the Main Trade Directorate.
- Decontamination (washing) of roads, squares, and tree canopies in the city is underway.
- An order has been issued, and work has begun on the design and construction of four storage facilities for liquid and solid radioactive waste.
- A convoy of 28 concrete mixers has been formed to deliver concrete to the Chernobyl Nuclear Power Plant (Obukhov – 2, Belaya Tserkov – 5, Cherkassy – 5, Zhytomir – 3, SMT – 1, Kievpromstroy – 6, Mostootryad – 1, Yuzhenergomekhstroytrans Trust – 4, Yugzaptransstroy – 2).

Eight trucks are coming from the Odessa Nuclear Power Plant.

Chief of Staff – Deputy Chief of Civil Defence of Kiev

A. Fedorenko