

## **Information on the migration of the population Kiev and the measures taken to eliminate the consequences of the Chernobyl nuclear power plant accident in Kiev**

May 11, 1986

For official use only

Kiev city situation as of 9:00 AM, May 11

### **1. Weather conditions:**

Calm wind in the morning. During the day, variable wind directions (north, northwest, west, northeast) at 3–8 m/sec. During thunderstorms, gusty winds will occur. Temperatures will be 18–20°C.

### **2. Radiation situation:**

Gamma background levels at ground level are 4.8–10.0  $\mu\text{Sv/hr}$ , which is 25–50 times higher than the norm (the norm is 0.15–0.20  $\mu\text{Sv/hr}$ ).

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 37 Bq/L)

### **3. Operation of sanitary and washing stations (SWS):**

Two SPS are operational (Demyevskaya, No. 15 (Leningradsky District) bathhouses).

111 people have been treated (3,998 people cumulatively). Over the entire period, 1,796 sets of replacement clothing have been issued, 8,220 kg of contaminated clothing have been removed, and 2,264 kg of contaminated clothing have been decontaminated.

### **4. Medical care:**

210 people have sought hospital treatment (9,190 people cumulatively). 38 people have been hospitalised (839 people cumulatively). 589 people are undergoing treatment, including 132 children. Two people are seriously ill. One person has died (cumulative total 1 person).

### **5. Sanitary and Epidemiological Indicators:**

Dairy Plants:

No. 1 — Milk and dairy products — normal indicators.

No. 2 — A total of 353.6 tons of milk were received, of which 38.1 tons came from the Borispol and Brovary districts, as well as 4 tons of cottage cheese, with indicators (3,700 Bq/kg) exceeding temporary standards. The milk has been sent for processing. The cottage cheese is not for sale.

Kievo-Svyatoshinsky District — A total of 64.0 tons of milk were received, of which 27.9 tons came from several farms in the Vyshgorod and Kievo-Svyatoshinsky districts, with indicators (3,700 Bq/kg) exceeding temporary standards. The milk has been sent for processing.

### **6. Organisation of dosimetric monitoring:**

People — the actual total dose received by the average Kiev resident over 15 days is 1.18 mSv, including:

- People who spent 20 hours indoors and 4 hours outdoors per day — 0.89 mSv;

- People who worked outdoors and indoors for 12 hours per day — 2.20 mSv;
- People who spent 24 hours indoors — 0.46 mSv.

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

Checkpoints with dosimetric monitoring inspected 9,066 vehicles, of which 13 were returned for repeat decontamination.

#### 7. Population Migration:

163,000 people left Kyiv, including 44,000 by rail and 164,000 by air.

979 train tickets and 165 air tickets were returned.

Of the 302,000 schoolchildren, 155,300 attended classes on May 8. 146,700 were absent.

94,000 children were absent from preschools, some of whom remained at home. A total of 164,000 children are enrolled in preschools.

#### 8. Organizational activities underway:

2,000 L-I suits were received from the Kiev Military District to support the work of non-militarised civil defence units. These were placed in the reserve of the city's Civil Defence Chief.

12,500 batteries for radiation reconnaissance devices were received and placed in the reserve of the city's Civil Defence Chief.

58 children with bone tuberculosis, 49 of whom were on stretchers, were transported to Odessa in four equipped buses of the Civil Defence ambulance unit.

An additional post was established in the village of Fenevichi, directing transit vehicles to bypass the city.

A cumulative total of 2,949 cubic meters of concrete mix was made, including:

- Glavkyivgorstroy — 1,951 cubic meters;
- Kievpromstroy Plant — 416 cubic meters;
- Yugozaptransstroy Trust — 180 cubic meters;
- Yuzhenergoatomstroy — 402 cubic meters.

12,515,800 square meters of lawns were treated, or 87%.

Asphalt pavement washed away — 10,083.0 square meters –95%.

An inventory of private sector wells was conducted.

2,023 wells with a daily flow rate of 32,460 cubic meters were registered.

11 well designs have been prepared. Eleven well sites have been transferred to Glavkyivgorstroy (trusts: 4, 7, 8, 6).

Work commenced on May 11.

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