

Note on the results of unofficial dosimetric reconnaissance of the territory of the railway station of Vilcha, Polessiya district, Kiev Region

March 23, 1989

Secret

Regarding the radiation situation at Vilcha Station

While investigating reports of unfavourable radiation conditions at the Vilcha railway station of the Korosten branch of the Southwestern Railway (in the Polesie district of the Kiev region), we have established the following:

Radiation monitoring within the station facilities is carried out by the relevant Southwestern Railway services. Monitoring of the Vilcha-Yanov section of the railway and rolling stock used within the 30-km zone is the responsibility of the Dosimetric Monitoring Department of the Production Association "Combinat."

On our instructions, agent "Vlasov" organised an unofficial dosimetric reconnaissance of the Vilcha railway station. According to the data obtained as of March 23, 1989:

- gamma radiation at Vilcha station and the adjacent territory is within 0.4-0.7 $\mu\text{Sv/hr}$;
- beta radiation — from 400 to 700 particles/ cm^2/min ;
- average beta contamination of landing platforms and railway tracks is 100–200 particles/ cm^2/min ; individual areas are contaminated up to 1000 particles/ cm^2/min ;
- The highest contamination was detected at railway switch No. 37 (a section approximately 50 m long): with a gamma level of 11 $\mu\text{Sv/hr}$ and beta contamination up to 12,000 particles/ cm^2/min ;
- in service areas, in the waiting room and station store, beta contamination is 10–20 particles/ cm^2/min . A railway tracks up to 50 m long in different places has contamination from 100 to 1,000 beta particles/ $\text{cm}^2 \text{ min}$.

The contamination of a shunting locomotive delivered from Yanov station to Vilcha station for repairs in February of this year is 3-25 $\mu\text{Sv/hr}$, beta contamination - from 1,000 to 12,000 particles/ cm^2/min (diesel locomotive No. TGM CHA-422).

Chief of the Chernobyl Nuclear Power Plant Department
Lieutenant Colonel V.V. Lamonov

