

**Report of the operational group of the KGB of the Ukrainian SSR and the KGB of the USSR
in Chernobyl on the radiation situation and the progress of work on eliminating the
consequences of the accident at the Chernobyl NPP**

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From Chernobyl
Secret

On the situation at the Chernobyl Nuclear Power Plant

Work continues at the Chernobyl Nuclear Power Plant and in the surrounding area to mothball Unit 4, decontaminate the plant's site, and prepare Units 1 and 2 for the restart. Concrete pouring for the lower terraces of the "Sarcophagus" is in full swing. On August 15, 1986, the concrete plants of the Ministry of Medium Machine Building (MinSredMash) reached a daily concrete production rate of 5,233 cubic meters for the first time. Experts are confident that the "Sarcophagus" construction will return to schedule in the coming days.

In accordance with the recommendation made by Comrade V.M. Chebrikov during his visit to Chernobyl regarding the need for redundant ventilation systems for the "Sarcophagus," a number of design solutions are being developed, and we are constantly monitoring the progress of these developments.

The interdepartmental commission (IDC) reviewing the progress of preparations for the start-up of power units No. 1 and 2 has completed its work. Specific additional measures for the inspection of equipment and safety systems have been identified, which must be approved by the Interdepartmental Technical Council for Nuclear Power Plants (IMTC).

During the final report of the Interdepartmental Commission (IDC) to the Chairman of the Government Commission (GC), Comrade G.G. Vedernikov, leading specialists at the Chernobyl Nuclear Power Plant (ChNPP) stated that they still do not have official documents from the chief designer or VPO Soyuzatomenergo regarding the causes of the accident and the measures that should be taken to prevent similar situations. The absence of these documents significantly complicates work with operating personnel. As the Deputy Chairman of the IDC stated, such documents still do not exist at any plant with RBMK reactors.

The radiation situation in the area of the nuclear power plant has not changed significantly. The radiation level above Unit 4 at an altitude of 200 meters is 370,000 $\mu\text{Sv/hr}$, and within the nuclear power plant itself, it ranges from 70 to 56,000 $\mu\text{Sv/hr}$. Along the perimeter of the cooling pond, it ranges from 40 to 5,800 $\mu\text{Sv/hr}$. In the city of Chernobyl, the radiation level is 46-50 $\mu\text{Sv/hr}$, and in the city of Pripyat, from 150 to 600 $\mu\text{Sv/hr}$.

The most pressing issue remains the decontamination of the roofs of Units 3 and 4 and the ventilation stack areas, where highly radioactive fuel fragments and graphite are located.

At the request of the Government Commission, the Chernobyl Nuclear Power Plant Directorate and representatives of the Ministry of Medium Machine Building have developed a set of measures, the implementation of which, using robotic and hydraulic equipment,

should allow this work to be completed within 3-4 days. Preparations for this operation are currently underway.

During the removal of spent fuel from the spent fuel pool of Unit 1, plant specialists came up with the idea of burying the used fuel rods in the rubble. Implementation of this proposal will not affect the safety of the "Sarcophagus."

The issue is being addressed officially.

Together with the USSR Ministry of Internal Affairs task force, we, at the request of the Pervomaisk Committee, have developed new temporary instructions for organizing access control in the closed zone, as well as proposals for strengthening security in the Pervomaisk building. These, after coordination with the relevant ministries and agencies, will be submitted to Comrade G.G. Vedernikov for approval.

From August 12 to 15, due to mechanical damage to fuel assemblies during their lifting by the unloading and loading machine (UZM) of Unit 1, the reloading of spent fuel assemblies from the spent fuel pool was halted.

The investigation revealed no evidence of deliberate actions by specific individuals. It was determined that this occurred due to a lack of coordination between operators and will not affect the delivery schedule of the second batch of fuel.

Six military construction detachments, 3,200 personnel, assigned to the USSR Ministry of Energy, are concentrated in the Chernobyl Nuclear Power Plant area.

Based on the information we received regarding the untimely provision of military construction workers with work areas and the lack of adequate housing and living conditions in certain units, the PC was informed, and measures are being taken to restore proper order based on its decision.

We are monitoring the operational situation in the Chernobyl Nuclear Power Plant zone.

6th Directorate of the KGB of the USSR

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