

INFORMATION DIGEST

MAY 20 - 24, 2024



Status of the Ukrainian nuclear power plants and the nuclear industry of Ukraine

- According to the JSC "NNEGC "Energoatom", on May 20 - 24, 2024, power units of Ukrainian nuclear power plants which are located on the territory controlled by Ukraine worked to meet the needs of the population and the country's economy.
- According to the International Atomic Energy Agency [IAEA], the IAEA experts present at the Khelmnytsky, Rivne and South Ukraine NPPs and the Chernobyl site reported that nuclear safety and security is being maintained despite the effects of the ongoing war, including air raid alarms on several days over the past week.
- Two of the four reactor units at the Rivne NPP have completed refuelling activities and are expected to resume generating power in the near future, while the maintenance and refuelling activities at one unit at the South Ukraine NPP are progressing according to schedule.
- The IAEA teams at the Khelmnytsky, Rivne and South Ukraine NPPs have all rotated over the past week.
- The Agency continues with the delivery of much-needed equipment and supplies for maintaining nuclear safety and security in Ukraine. In the 47th delivery since the start of the war, Ukraine's USIE Izotop, a Ukrainian state enterprise involved in management of radioactive material intended for medical, industrial and other purposes, this week received a physical protection system funded by the United Kingdom. With this delivery, Ukraine received almost €9.4 million worth of nuclear safety and security equipment thanks to the support provided by a number of donors to the Agency.

Current situation on Zaporizhzhya NPP

- According to the JSC "NNEGC "Energoatom", on May 23, 2024, at 01:31 p.m., the off-site power supply line 750 kV Dniprovskaya connecting the temporarily occupied Zaporizhzhya NPP with the unified energy system of Ukraine was disconnected. The largest nuclear power plant in Europe was connected to the Ukrainian power grid only by the power transmission line 330 kV "Zaporizhzhya TPP — Ferosplavna".
- Director General Rafael Mariano Grossi of the International Atomic Energy Agency (IAEA) stated that the disconnection of the 750kV Dnirovskaya line once again underlines the extremely precarious nuclear safety and security situation at the ZNPP during the war. It occurred at 1:31pm local time around six kilometres away from the ZNPP's 750 kV open switchyard, in Russian-controlled territory. The ZNPP informed the IAEA experts stationed at the site that it was caused by a short-



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circuit, without providing further details. The line was re-connected at 4:49pm, the plant said.

- The event also amplifies concerns around attacks on the electrical power infrastructure elsewhere in Ukraine, as indicated last week, highlighting the risk to the ZNPP as well to the other operating nuclear power plants (NPPs) in the country. When the 750 kV line was disconnected, the ZNPP received external electricity from its only 330 kV back-up line and it is particularly vulnerable to such disruptions, as illustrated by the event. Before the war, the plant had four 750 kV and six 330 kV lines available.

Current situation on Chornobyl NPP and in the Exclusion Zone

- On May 20 - 24, 2024, the radiation situation at the ChNPP site was without changes. The monitored parameters of the equipment were within the boundaries set by the technological regulations. Operating personnel continues to ensure nuclear and radiation safety.
- This week the IAEA experts visited the State Specialized Enterprise Ecocentre (SSE-Ecocentre) which is located at the Chornobyl site to discuss the activities performed to monitor the radiological situation in the area and the challenges faced as a result of the war.

War in Ukraine

- On May 24, 2024, is the 821 day of the resistance Ukraine to the Russian military invasion.
- According to the General Staff of the Armed Forces of Ukraine [AFU], fierce fighting continues along almost the entire front line. The Defense Forces of Ukraine continue to concentrate their main efforts in the Tavria, Donetsk, and Slobozhansk operational areas with the aim of disrupting the plans of the occupiers to advance in the Donetsk, Luhansk, and part of the Kharkiv regions. Ukrainian soldiers confidently hold their positions and, thanks to skillful actions, destroy the invader, in some places they counterattack.
- **Situation in the North.**
- The situation is under control in Sumy and Chernihiv regions. The enemy is amassing troops on the territory of the Russian Federation, conducting daily air and artillery strikes on border settlements, and using UAVs. It is trying to destroy critical infrastructure facilities, attacking with missiles and "shaheds". The defense forces are aware of the enemy's plans and are doing everything they can to disrupt them. Measures are being taken to allocate reserves and firepower to seize the initiative on the battlefield.
- Russians are not currently preparing an offensive in Sumy Oblast, but are conducting provocations. Although, Ukrainian border guards do not rule out that the occupiers may launch an offensive in the Sumy region in order to stretch Ukrainian forces at the front.
- In Sumy region, evacuations continue from the border communities. 1.5 thousand people, including more than 200 children, have been evacuated from Bilopilnia and Vorozhba. All activities are carried out in a planned and organized manner. The population mostly stays within the Sumy region. Moreover, people have the



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opportunity to leave for other regions, they are given this opportunity by the western regions, there are evacuation routes, both bus and rail.

- **Hostilities in the East.** Ukrainian defense forces have stopped a Russian offensive in the north of Kharkiv region. Ukrainian defenders are conducting counteroffensive actions. However, the occupiers are conducting offensive operations in the east of Kharkiv region.
- According to the General Staff, the goal of the Russians in the Kharkiv region was to create a buffer zone. However, now they have been stopped, the Armed Forces have taken control of the situation and are conducting offensive actions.
- In addition to the north of Kharkiv region, Russian troops are trying to advance in the east of the region, planning to bypass the city of Kupiansk from the east. However, they are not succeeding.
- Russian army has slightly reduced the number and intensity of fighting in the Donetsk region, but fierce fighting continues in the Pokrovsk and Kurakhove directions. The goal of the enemy army remains unchanged - to reach the administrative borders of the Donetsk and Luhansk regions.
- **Situation in the South.**
- In the Kherson sector, the Russians do not give up their intention to drive Ukrainian units from the footholds on the left bank of the Dnieper River. Russian occupying troops attack the city of Kherson from the temporarily occupied left bank of the region.
- On May 23, the Russian occupiers struck at the city of Kharkiv. It is known that seven employees of a printing company were killed and 20 others were injured.
- At night May 23, Russian invaders also attacked a railway in the Kharkiv region: six workers were injured.
- Ten people were injured in the shelling of Kharkiv on May 22, four people were hospitalized.
- In summer, the risk of more frequent use of hourly outage schedules for consumers will increase. This was stated by Volodymyr Kudrytskyi, Chairman of the Board of NPC "Ukrenergo" [an electricity transmission system operator in Ukraine and the sole operator of the country's high-voltage transmission lines]. He noted that the summer heatwave will significantly increase electricity consumption in Ukraine, which will increase the risk of more frequent blackouts. According to him, this is also due to scheduled and unavoidable repairs at NPPs that cannot be avoided technologically. In addition, there are fewer water resources used by Ukrainian hydropower plants in summer.

Sources: t.me/V_Zelenskiy_official, t.me/energoatom_ua, Centre for Strategic Communication, Ministry of Defense of Ukraine, the National Police of Ukraine censor.net, Ukrainska Pravda, radiosvoboda.org, eurointegration.com.ua



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Consequences of the shelling of the city of Kharkiv on May 22: ten people were injured, high-rise buildings, shops, businesses, transport damaged.



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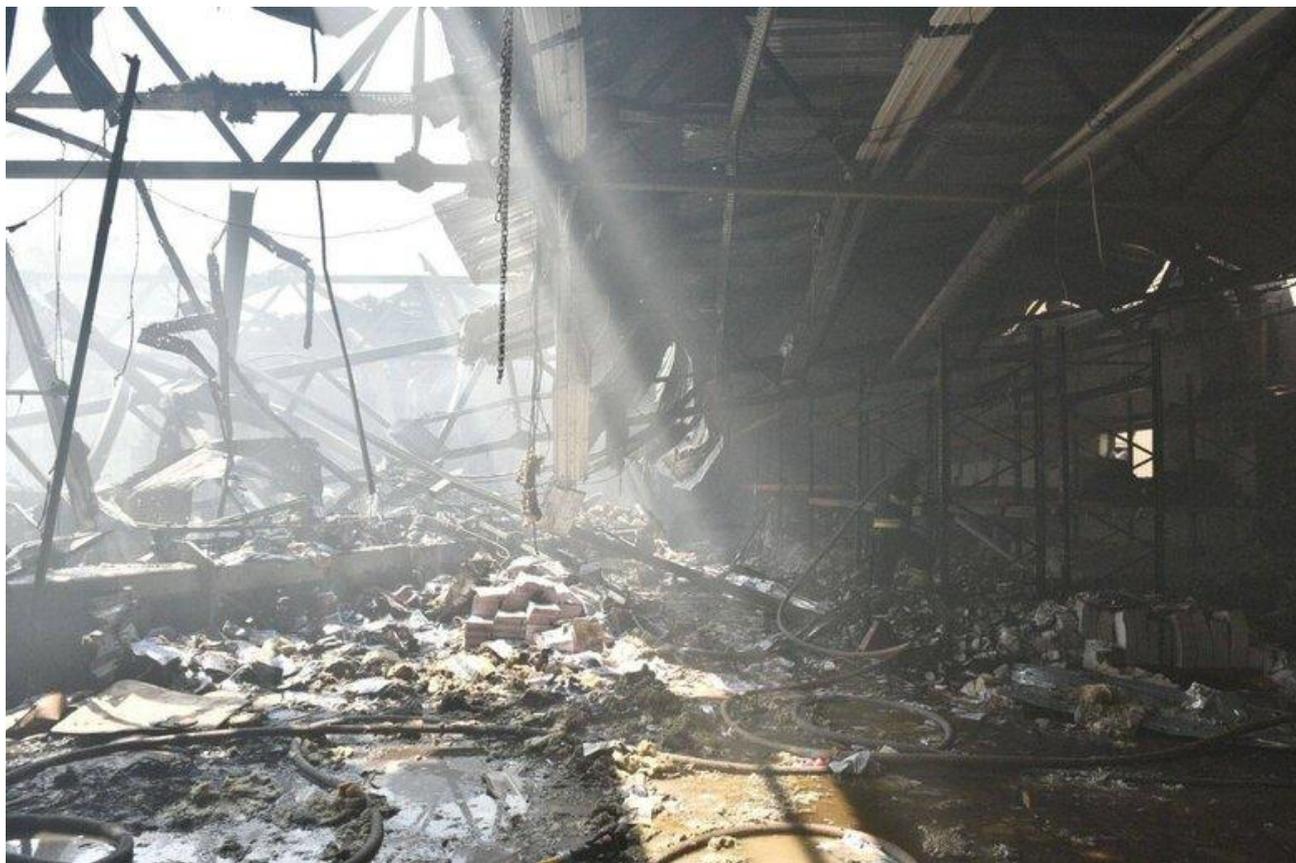


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On May 23, 2024 russians shelled Kharkiv again: seven employees of a printing company were killed, 20 people were wounded.



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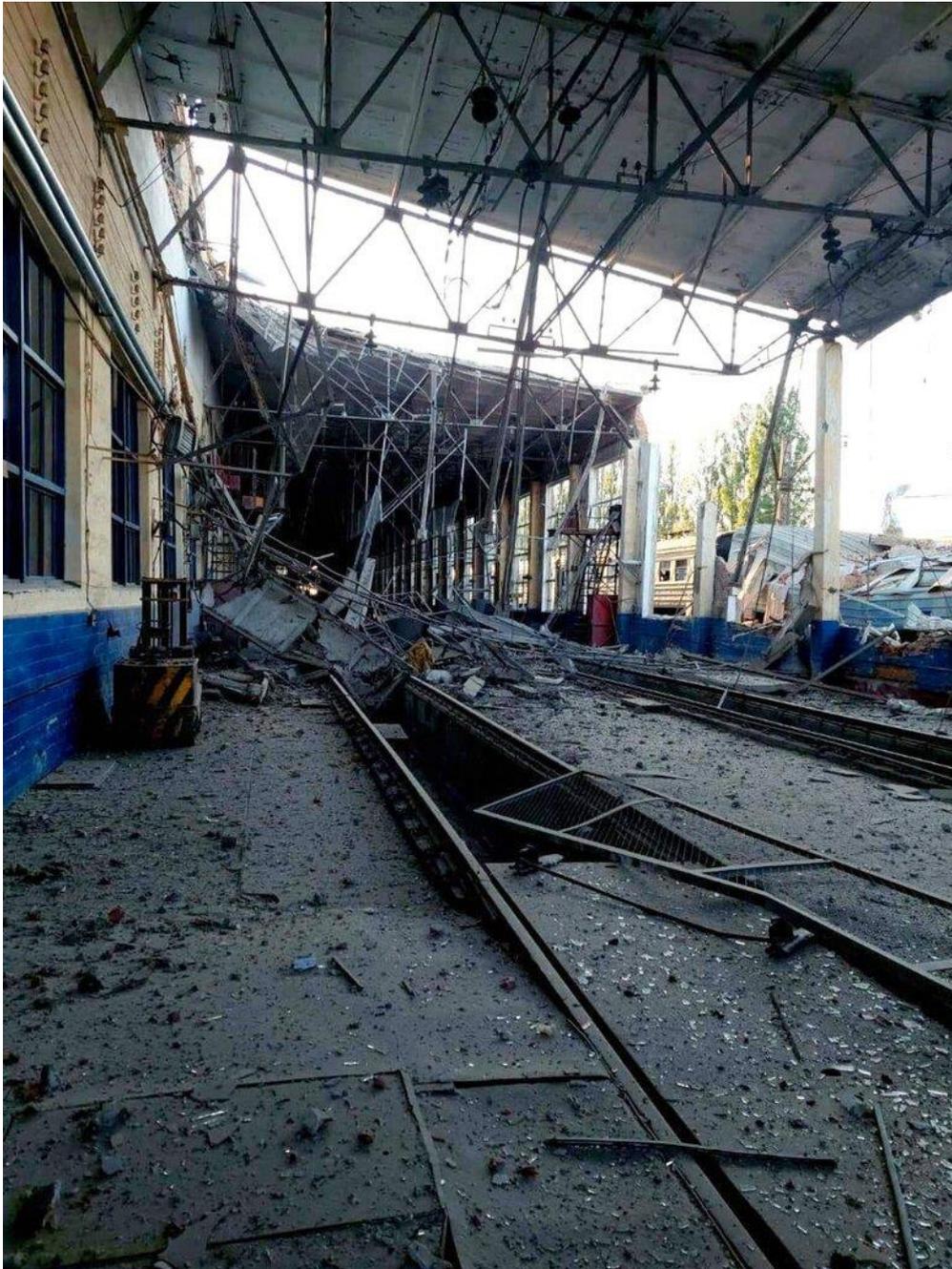


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On May 23, russians attacked the railway infrastructure in Kharkiv and the region. Six workers were injured.

DEAR COLLEAGUES

THE UKRAINIAN NUCLEAR SOCIETY IS ACTIVELY ENGAGED IN VOLUNTEER ACTIVITIES, HELPING OUR COLLEAGUES FROM NUCLEAR POWER PLANTS, REFUGEES FROM THE ZAPORIZHZHIA NPP, AS WELL AS OUR MEMBERS WHO JOINED THE ARMED FORCES TO DEFENDED OUR COUNTRY.

SUPPORT THE ANS-ENS UKRAINIAN NUCLEAR WORKERS HUMANITARIAN FUND

WE ARE VERY GRATEFUL FOR ANY HELP AND SUPPORT!

STAND WITH UKRAINE 



LINK TO SUPPORT



PRESENTATION ABOUT VOLUNTEER ACTIVITIES



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Support Ukraine's nuclear workers and their families impacted by war.