

# INFORMATION DIGEST

OCTOBER 21-27, 2024



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

- According to the JSC "NNEGC "Energoatom", on October 21-27, 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 IAEA, last Tuesday evening, power unit No. 1 at the South Ukrainian Nuclear Power Plant was disconnected from the grid for four hours. This is stated in the release of the IAEA. The reason for the outage was a false signal to the unit's protection systems without the reactor's safety systems being triggered. Experts are investigating what caused it. The agency added that the reactor is now generating electricity for the grid again.
- According to the JSC "NNEGC "Energoatom", on October 28, at about 6 a.m., a Russian shakedown flew critically close to one of the power units of the Khmelnytskyi NPP. The company noted that with the onset of the autumn-winter period, the Russian is intensifying the energy terror of Ukrainian NPPs, creating new risks for the safe operation of nuclear facilities.
- According to the International Atomic Energy Agency (IAEA), the IAEA teams present at the Khmelnytskyi, 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 activities, including air raid alarms for several days over the past week.
- According to the IAEA, the request of Ukraine, an IAEA team visited six electrical substations in Ukraine last week, as part of the Agency's work to assess the status of the electrical grid infrastructure essential to nuclear safety that began in September. During the visits, the team reviewed the operational consequences of actual and potential damage to substations, which supply off-site power to the country's NPPs.

## Current situation on Zaporizhzhia NPP

- According to the JSC "NNEGC "Energoatom" and IAEA, on October 21, 2024 Ukraine's Zaporizhzhia NPP lost the connection to its only remaining 330 kilovolt (kV) back-up power line for a second time this month. Once again, ZNPP turned out to be dependent on one source on one single source of the external electricity it needs for reactor cooling and other key nuclear safety and security functions.
- According to the JSC "NNEGC "Energoatom", despite the blowing up of the Kakhovka HPP dam by Russian occupiers, the situation remains stable and under control. Currently, the water level in the cooling pond of the Zaporizhzhia Nuclear Power



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Plant is 14.22 m. The water level in the "hot" channel of the Zaporizhzhia TPP, from where the ZNPP pond is fed if necessary, is 16.35 m. In the "cold" channel of the ZTPP, the water level reaches the mark of 10.63 m.

## Current situation on Chernobyl NPP and in the Exclusion Zone

- On October 21-27, 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.

## War in Ukraine

- On October 27, 2024 was the 977 day of the resistance Ukraine to the russian military invasion.
- According to the General Staff of the Armed Forces of Ukraine [AFU], the situation on the front is the most difficult in the Pokrovsk and Kurakhove sectors in Donetsk region in the East. russian army does not stop using artillery and aviation on the territory of the frontline regions and is willing to advance towards Zaporizhzhia.
- **The situation in the Kharkiv region.**
- The operational situation in the Kharkiv direction has not undergone significant changes and remains difficult. The defense forces of Ukraine continue to hold back the onslaught of the russian occupation forces. Ukrainian troops repelled attacks in the areas of the city of Vovchansk and in the Kupiansk direction.
- **The situation in the East.** In the Lyman direction, the russian forces are attacking in the areas of Hrekivka, Makiivka, Terny, Torske, Serebryanka and Hryhorivka with the support of aviation. In the Siversk direction, the occupiers attacked twice in the vicinity of Bilohorivka. In the Toretsk direction Ukrainian Armed Forces block russian advance from eastern part of the city of Toretsk.
- The situation is the hottest in the Pokrovsk direction. As of October 24, 80% of the critical infrastructure in the city of Pokrovsk was destroyed.
- **The situation in the South.** The russian army is likely planning to launch offensive and assault operations in the Zaporizhzhia sector.
- With the support of aviation in the Vremivsk sector, the enemy made eight assaults on our positions near Novoukrainka and Bohoiavlenska.
- In the Orikhiv and Huliaipillia directions, the enemy actively used attack and bombing aircraft, including dropping more than a dozen guided bombs.
- In the Prydniprovskiyi sector, russians attack Ukrainian positions all the time.
- The operation in the Kursk region continues. The situation in the rest of the directions remained unchanged.
- **Strikes on the territory of Ukraine.**
- On the night of October 28, 2024, the enemy used 100 "Shahed" attack UAVs and unidentified drones from the directions of Kursk, Orel, Primorsko-Akhtarsk (russia). 66 out of 100 "Shaheds" shot down, 24 lost locally, 4 more returned to russia and belarus.
- At night on October 28 and October 27, 2024, russian troops attacked Kharkiv and the region with shelling. Many civilians were injured.
- On the night of October 28, 2024, russian forces once again attacked the Kyiv



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region with the help of attack UAVs. There are targets downed. There were no hits to residential or critical infrastructure. There were no casualties among the population. On 25 October 2024, at around 9 pm, a 14-year-old girl was killed in a russian UAV attack on the capital, two men and three women were injured, one of whom was taken to hospital with an acute stress reaction.

- On the afternoon of 27 October 2024, the russian army attacked the city of Kherson once again. The shells hit near the post office, two people killed, there is injured. Also, russian army attacked Mykolaiv region with drones: man was killed and car of police officers who responded to call was destroyed.
- At the night of October 27, 2024 41 out of 80 Shaheds were destroyed, another 32 were lost in location. Occupiers attacked Kharkiv region with cluster munitions from Uragan MLRS and two S-300 missiles: one killed and one wounded.
- On 26 October, the russian army shelled the Kharkiv region once again, killing one person and wounding another. Also, this day russian missile strike on Dnipro injured 21 people, including 7 in hospital. A 17-year-old boy is in serious condition. Three people were killed and seven wounded as result of shelling by occupiers of Kherson region.
- On the night of October 25, 2024 36 "Shaheds" out of 63 were shot down by air defense forces, 16 were lost in location.
- From the evening of 24 October until the morning of 25 October, the enemy did not stop attacking the Nikopol region in Dnipropetrovsk oblast. They fired from heavy artillery and "Grad" systems. They also attacked with kamikaze drones.
- On the night of October 23, 2024, russia attacked Ukraine with 81 attack UAVs of the "Shahed" type and unmanned aerial vehicles of an unknown type from the directions of Primorsko-Akhtarsk, Kursk. The enemy also attacked Odesa with a Kh-31P guided missile from the Black Sea. 57 strike UAVs out of 81 were shot down, 15 "Shaheds" - locally lost.

*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, euointegration.com.ua*



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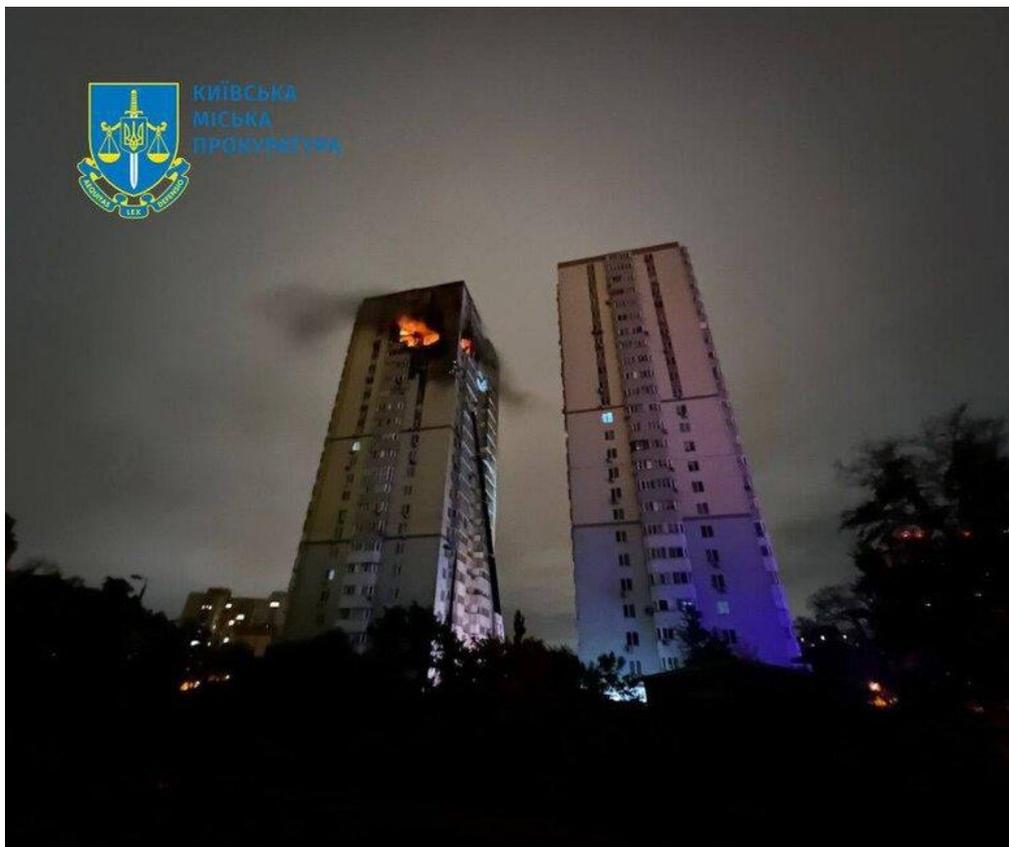


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***On 25 October 2024, at around 9 pm, a 14-year-old girl was killed in a russian UAV attack on the capital of Ukraine Kyiv, two men and three women were injured, one of whom was taken to hospital with an acute stress reaction.***



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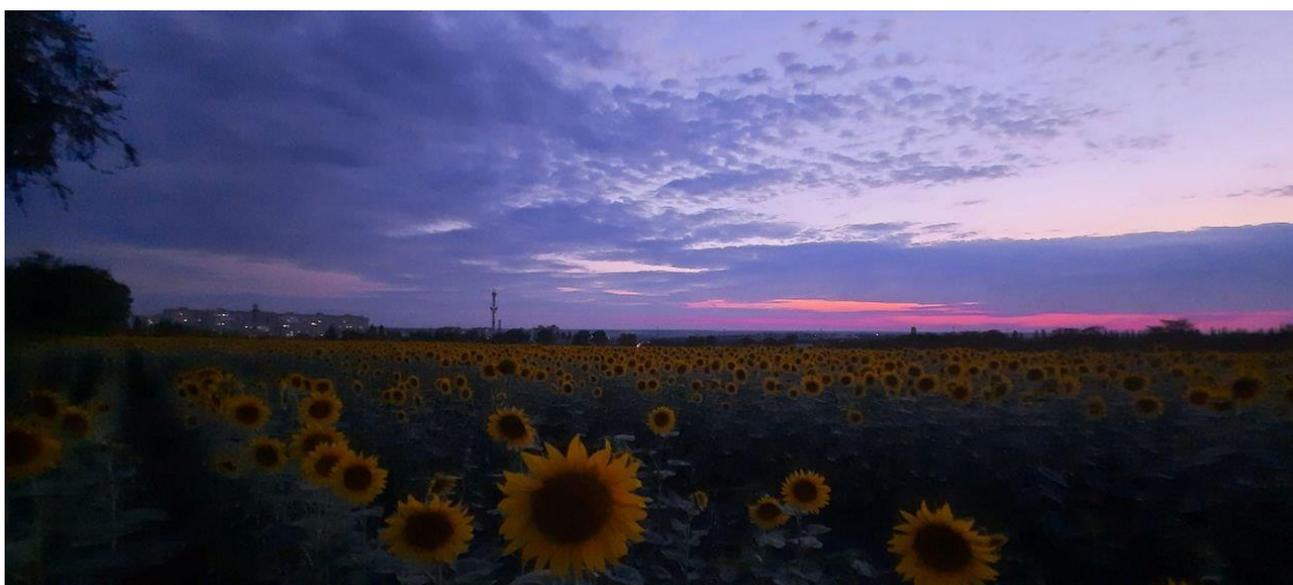




***At the beginning of September, the Separate Division of the Ukrainian Nuclear Society in the city of Pivdennoukrainsk held a patriotic autumn photo marathon, "Forward, Together to Victory!"***

***These incredible photos continue to captivate viewers year after year, with entire families now joining this traditional autumn creative and patriotic event organized by the society. The year 2024 was no exception, as the event gained even more momentum. Participants enjoyed a pleasant atmosphere, submitting contest photos, each one a work of art that impresses and inspires.***

***This year, 12 participants took part in the competition, with over 340 photos selected for review. Winners received valuable prizes from the organizers.***



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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!

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LINK TO SUPPORT



PRESENTATION ABOUT VOLUNTEER ACTIVITIES

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

