

INFORMATION DIGEST

NOVEMBER 11-18, 2024



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

- According to the JSC "NNEGC "Energoatom", on November 11-16, 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 teams present at the Khmelnytsky, Rivne and South Ukraine NPPs and the Chornobyl site reported that nuclear safety and security is being maintained despite the effects of the ongoing war, including air raid alarms for several days over the past week.

On 7 November, Ukraine's national regulator informed the IAEA that the Central Storage Facility for Spent Fuel – located within the Exclusion Zone of the Chornobyl NPP – had lost off-site power for about two hours and relied on emergency diesel generators for electricity during this time. The facility, owned by Energoatom, is used for long-term dry storage of Ukraine's spent fuel.

Four days later, Ukraine's operating nuclear power reactors – two units at the Rivne NPP, both units at the Khmelnytsky NPP and all three units of the South Ukraine NPP – temporarily reduced their power output as a preventive measure as a result of the war. Ukraine's regulator also informed the IAEA that many drones had been observed in the vicinity of the Khmelnytsky and the South Ukraine NPPs over the past few weeks.

- According to the International Atomic Energy Agency (IAEA), on November 17 Ukraine's operating nuclear power plants (NPPs) reduced electricity production as a precautionary measure following widespread military activities across the country that reportedly targeted its energy infrastructure, putting nuclear safety and security under further pressure. Of the nine currently operational reactors at the three NPPs, six reduced output during the morning, ranging from just over 40 percent of maximum capacity to above 90 percent. At the moment, only two operate at 100 percent capacity, with one in shutdown for maintenance. All NPPs continued to receive off-site power.

Although the NPPs - Khmelnytsky, Rivne and South Ukraine – were not directly impacted and did not shut down, several electrical substations on which they depend suffered further damage during the strikes, Director General Grossi said, citing information from Ukraine's national regulator. The main power lines from four of the substations were disconnected. At the moment, only two of the country's nine operational reactors currently generate electricity at 100 percent capacity. IAEA teams visited seven substations – located outside the NPPs across



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the country – in September and October to assess the damage from attacks in August and will assess whether further visits are required following today's military activities, said Director General Grossi, who spoke to the head of the national regulator about the impact of the attacks.

Current situation on Zaporizhzhia NPP

- According to the JSC "NNEGC "Energoatom", the situation at Zaporizhzhia NPP keeps getting worse. The Russian Ministry of Foreign Affairs has threatened to terminate the IAEA mission at the Zaporizhzhia Nuclear Power Plant (ZNPP) in response to statements made by its Director General, Rafael Grossi. Grossi emphasized that experts will remain at the plant "until a potential freeze in the war is achieved. The Kremlin asserts that the mission's presence at ZNPP is contingent on its authorization. It is essential to highlight that the presence of IAEA experts at the Zaporizhzhia plant and other Ukrainian nuclear facilities was made possible through agreements reached during a meeting between Ukrainian President Volodymyr Zelenskyy and Rafael Grossi. The parties agreed to deploy IAEA missions at all Ukrainian nuclear sites to ensure continuous monitoring and prevent potential incidents. Notably, this arrangement includes ZNPP.

Ukraine's initiative represents a significant step toward bolstering international trust in the safety of its nuclear facilities, especially during wartime. Ukraine has demonstrated transparency and a willingness to cooperate, in stark contrast to Russia, which continues to act as a nuclear terrorist state, disregarding international laws and norms. The Kremlin's threats to end the IAEA mission at ZNPP further confirm its disregard for international legal standards. The seizure of ZNPP, the deployment of military personnel and equipment on its premises, attacks on critical infrastructure, and manipulation of energy security are clear acts of nuclear terrorism by Russia. Ensuring the uninterrupted operation of the IAEA mission at ZNPP is a matter of global security, not just Ukraine's. The international community must uphold continuous monitoring efforts and hold Russia accountable for its actions.

Current situation on Chernobyl NPP and in the Exclusion Zone

- On November 11-18, 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.
The International Atomic Energy Agency (IAEA) has conducted the 35th rotation of personnel for its permanent monitoring mission at the Chernobyl Nuclear Power Plant (NPP). On November 15, 2024, a new team of specialists arrived at the Chernobyl NPP. This rotation includes highly qualified international experts from Romania and Bulgaria with extensive experience in the nuclear energy sector.
Details at the link: <https://bit.ly/41btuBt>

War in Ukraine

- On November 18, 2024 was the 999 day of the resistance Ukraine to the Russian



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military invasion.

- According to the General Staff of the Armed Forces of Ukraine [AFU], a lot of combat engagements took place in frontline, most intense in Kurakhove and Pokrovsk directions, Donetsk region. Russian army, using its superiority in manpower and equipment, is continuously attacking Ukrainian positions. Ukrainian defenders are steadfastly holding back the onslaught of the occupiers and inflicting maximum losses on the enemy.
- The troops of the aggressor country Russia are increasing their numbers and creating new brigades. This was stated by the Minister of Defense of Ukraine Rustem Umierov during a press conference in Kyiv. "Russian forces will grow. They are increasing the size of their forces. They are creating new brigades. By June 1, they had achieved half of what they had set out to do," the defense minister said.
- At the same time, Umierov noted that Russia has problems with mobilization, which is why it is engaging North Korean troops. The Kremlin also recruits mercenaries in Africa and Asia. According to Umierov, Ukraine is currently working to "create forces that will be able to withstand the enemy, as the priority is defense and stabilization operations."
- **The situation in the north**
Today, enemy artillery and mortar fire hit communities in the Sumy region, such as Novenke and Pavlivka. In addition, the Russians launched airstrikes with GABs in the area of Basivka. In the northern border region, there is a decrease in enemy shelling, this is probably related to the already seasonal logistical problems of the occupiers. The Russians constantly fire along the border whenever possible. This is hundreds of kilometers of the state border. One of the goals of such fire is, in addition to terrorizing the local population at the border, they also bind Ukrainian forces, which we could use in other directions. But defenders are also forced to hold the northern border so that we have a strong defense.
- **Hostilities in the Kharkiv region**
In the Kharkiv direction, the enemy made three attempts to storm the positions of Ukrainian units near the city of Vovchansk. He launched air strikes on Kozacha Lopana, dropping five GABs. In Vovchansk, fighting is taking place all over city and surrounding areas, AFU controls situation.
- In the Kupiansk direction, Russian invaders attacked the Defense Forces in the areas of Kruhliakivka and Lozove. On November 13, the Russian army attempted to breach the defense of Ukrainian forces in the Kupiansk direction, some of them wearing Ukrainian Armed Forces uniforms. Ukrainian soldiers are steadfastly holding the line and inflicting losses on the enemy.
- **Hostilities in Donbas**
- The enemy continues to make various attempts to cross the Siverskyi Donets-Donbas canal, which runs through defense line. The occupiers are trying to approach Ukrainian positions unnoticed. To do this, they use special cloaks or blankets that block the heat signal from Ukrainian drones and thermal imagers.
- In the Lyman direction, the invading army launched attacks on Ukrainian positions near Novoliubivka and Bilohorivka over the day. One combat engagement ended, the other is ongoing.
- In the Toretsk direction, with the support of aviation, the enemy tried to break



into defense in the area of Toretsk. In direction of Toretsk, russians are advancing in small assault groups, very heavy battles are being fought in city itself.

- In the Pokrovsk direction, russian invaders, supported by aviation, made attempts to push our defenders from their positions in the areas of Myroliubivka, Promin, Lysivka, Petrivka, Pustynka and Novooleksiivka. The defense forces are holding back the onslaught and repelled ten enemy attacks, seven combat engagements are still ongoing.
- In the Kurakhove direction, russian army attacked near the settlements of Berestky, Sontsivka, Voznesenka, Dalne, Yelizavetivka, Katerynivka and Antonivka. The enemy bombarded Romanivka and Dachne with GABs.
- **The situation in the south**
In south, enemy is conducting active assaults in Vremivka direction the enemy is using unguided aerial missiles, kamikaze drones, and armored vehicles to support the assaults. Recently it became known that russian troops may soon launch ground assaults in the south of the Zaporizhzhia region, they may begin "any day now."
- **The situation in other directions**
- The enemy unsuccessfully attacked our defenders six times in the Prydniprovske direction. The operation in the Kursk region of the russian federation continues. Since the beginning of the day, russian aircraft have carried out 15 attacks (21 GABs) on their own territory. Ukrainian soldiers repelled ten enemy attacks today, and the fighting continues.
- **Strikes on the territory of Ukraine.** On the night of November 17, 2024, the russian occupiers carried out a massive combined attack on the energy sector facilities of Ukraine with various types of air-, land-, and sea-based missiles, as well as Shahed-type attack UAVs. In total, according to preliminary data, the radio engineering troops of the Air Force of Ukraine detected and escorted 210 enemy air targets - 120 missiles and 90 UAVs.
- Air defense was active in almost all regions of Ukraine - Kyiv, Cherkasy, Kirovohrad, Chernihiv, Sumy, Kharkiv, Poltava, Odesa, Mykolaiv, Zaporizhzhia, Dnipro, Zhytomyr, Vinnytsia, Khmelnytskyi, Ternopil, Ivano-Frankivsk, Rivne, Volyn, and Lviv regions.
- According to DTEK (the largest energy company in Ukraine), the attacks severely damaged the equipment of its thermal power plants. This is the eighth large-scale attack on the company's energy facilities this year. Since the start of the full-scale invasion, DTEK's thermal power plants have been shelled more than 190 times.
- On November 18, 2024 tOdesa region was damaged, there were shortages of heat, water and electricity, two people were killed and a teenager was injured. It was also reported that two districts in the Odesa region remain without electricity. Water supply is gradually being restored in Odesa.
- On the night of November 16, 2024, the enemy struck the Kharkiv region with an S-300 anti-aircraft guided missile and attacked Ukraine with 83 Shahed-type strike UAVs and unidentified drones.
- On the night of 15 November, russians attacked Odesa region with two Kh-59/69 guided aerial missiles from the Black Sea and launched a total of 29 drones across



Ukraine. Over the day, 15 November, Russian troops attacked the Pokrovsk, Kramatorsk, and Bakhmut districts of the Donetsk region, resulting in deaths and injuries.

- On November 14, 2024 air defense forces were operating in the Sumy, Kharkiv, Poltava, and Kyiv regions. The downing of 21 enemy UAVs was confirmed in the Sumy, Kharkiv, Poltava, and Kyiv regions. 38 enemy drones were lost locally.
- On 14 November, the enemy launched a massive missile and drone attack on the Odesa city centre. One person was killed and 10 others were injured. Among them is a 9-year-old boy.
- On the afternoon of November 12, 2024, Russian troops attacked Kharkiv with an attack drone: houses damaged, 2 women injured.

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](https://www.censor.net), [Ukrainska Pravda](https://www.Ukrainska Pravda), [radiosvoboda.org](https://www.radiosvoboda.org), [eurointegration.com.ua](https://www.eurointegration.com.ua)



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Russia attacked Odesa on November 18, 2024: 10 killed and 39 wounded, some seriously.

On the afternoon of 18 November 2024, Russian terrorists launched a missile attack on the city of Odesa. As a result of today's Russian shelling in Odesa, 47 people have been wounded, and the aftermath of the attack is being dealt with.

This was reported by the head of the Odesa RMA Oleh Kiper.

The response to the aftermath of the enemy strike is underway, and the fight for the lives and health of the injured continues in hospitals.

"In connection with the death of 10 people, a day of mourning has been declared in Odesa and the region tomorrow, 19 November. I express my sincere condolences to those who have lost loved ones...", Kiper added.



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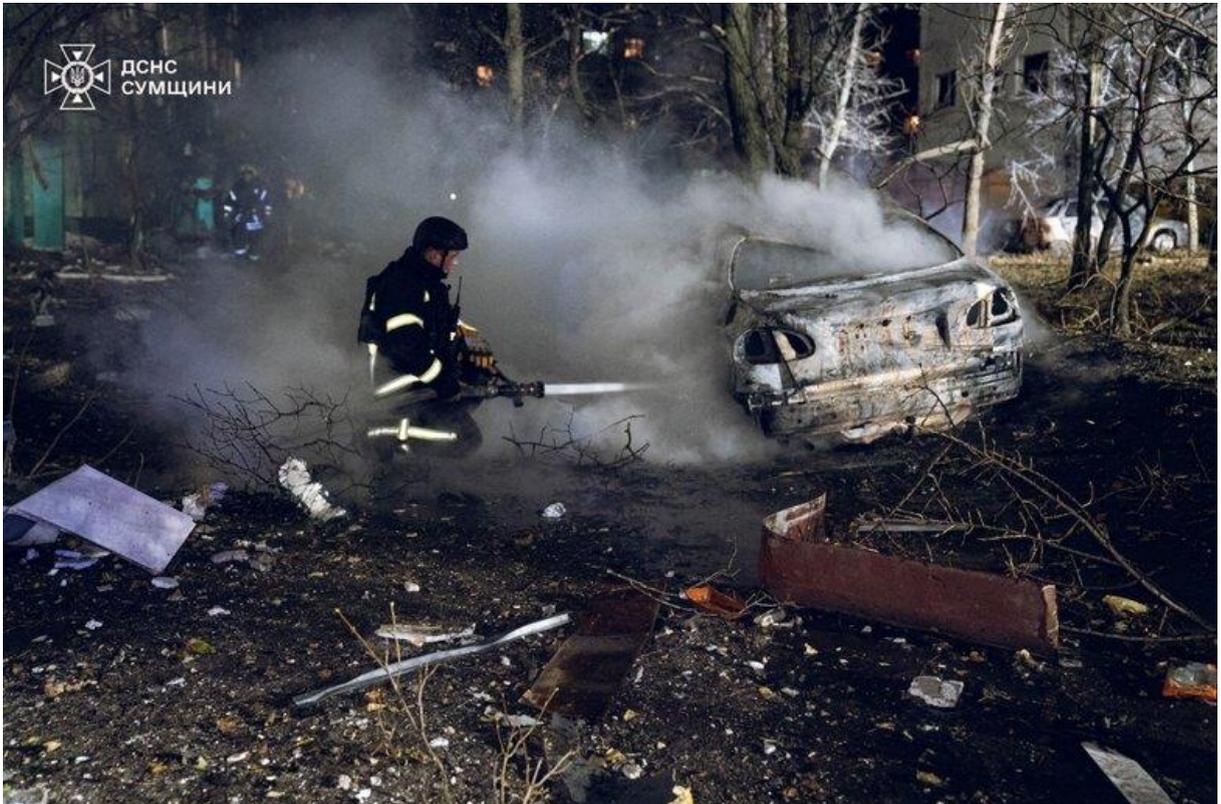


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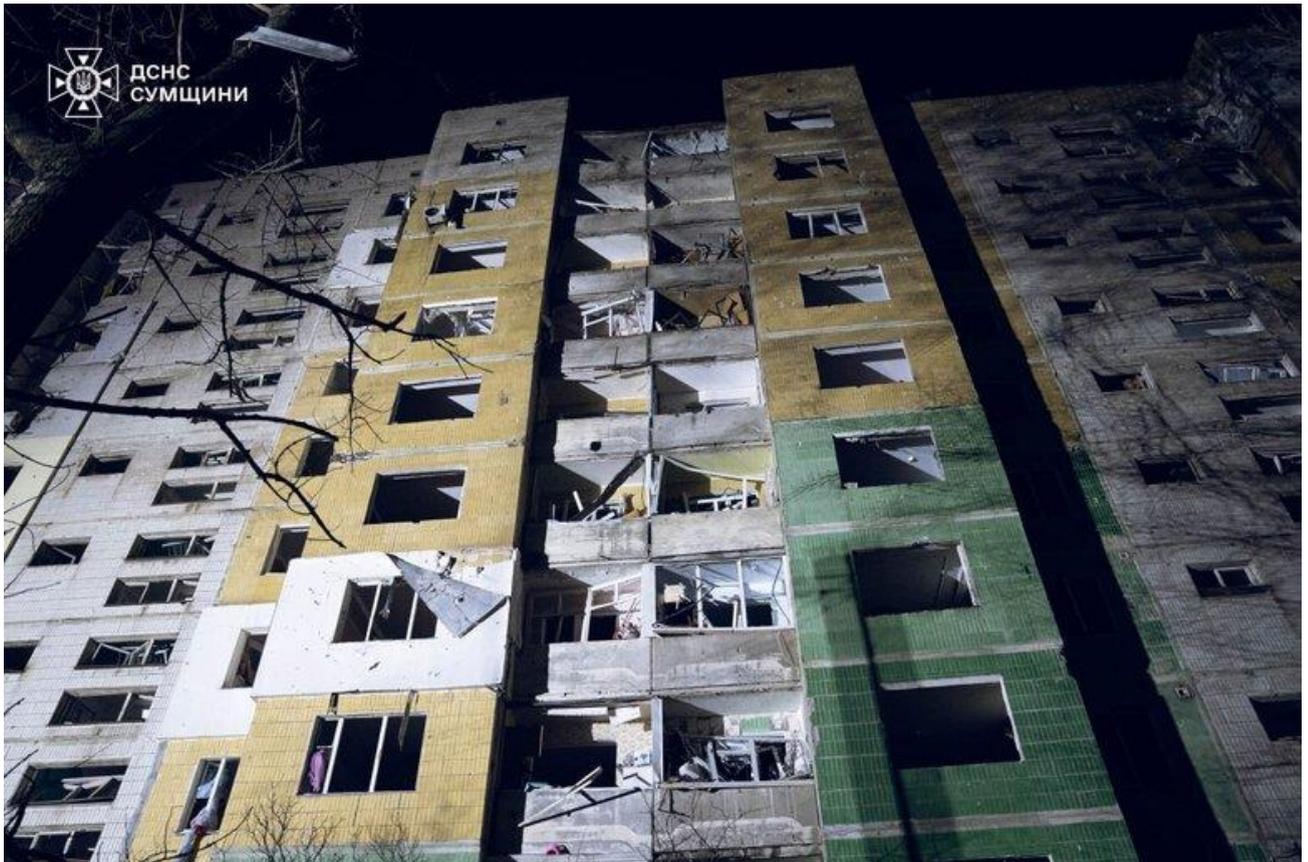


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russian attack on house in the city of Sumy on November 17, 2024: 10 people are killed, including 2 children, 51 people are wounded, including 5 children. More than 400 people evacuated.

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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