

# INFORMATION DIGEST

JUNE 03-10, 2024



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

- According to the JSC "NNEGC "Energoatom", one reactor unit at each of the Rivne and the South Ukraine NPPs were in shutdown over the last week for planned maintenance and refuelling, while one other unit at the South Ukraine NPP is in planned outage. On June 03-10, 2024, other 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 Ukraine's other NPPs – Khmelnytsky, Rivne and South Ukraine – and the Chernobyl site continue to perform routine walkdowns and assess nuclear safety and security. The teams reported that nuclear safety and security is being maintained despite the effects of the war, including air raid alarms on several days over the past week.
- The Ukrainian delegation, led by Minister of Energy of Ukraine German Galushchenko, held a meeting with Raphael Grossi, Director General of the International Nuclear Energy Agency, in Vienna; the meeting of the IAEA Board of Governors is taking place there. The Ukrainian delegation was also composed by Head of Energoatom Petro Kotin and Head of the State Nuclear Regulatory Inspectorate of Ukraine Oleh Korikov.
- German Galushchenko informed the Agency Head about the situation in the Ukrainian energy system, which had become significantly more complicated after Russia's renewed massive attacks on energy infrastructure facilities. Minister emphasized that the Russian Federation was targeting thermal and hydroelectric power plants, transformer substations and power transmission lines. He reminded that there had been a blackout of Ukrainian NPPs in November 2022. The parties discussed the need to coordinate efforts to prevent the recurrence of such a situation. German Galushchenko informed Raphael Grossi about the active work on preparation for the completion of the construction project of units 3 and 4 at the Khmelnytsky NPP. Moreover, the IAEA Head emphasized the extreme importance of nuclear energy for Ukraine, wished success in the implementation of the project and expressed support for the further development of the industry.

## Current situation on Zaporizhzhya NPP

- According to the JSC "NNEGC "Energoatom", from June 3 to June 7, 2024, the exposure dose rate of gamma radiation in the area where the Zaporizhzhya NPP is located in the temporarily occupied territories of Ukraine complied with current



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standards. Data on the radiation state at industrial sites and in observation zones of other nuclear power plants of JSC NAEC Energoatom are available at the Energoatom Company web-site by link:

<https://old.energoatom.com.ua/app-eng/table.html>

- According to the International Atomic Energy Agency [IAEA], at the ZNPP this week, the IAEA team of experts stationed at the site has continued to conduct regular walkdowns to monitor nuclear safety and security at the plant. At the same time, the team has continued to hear explosions some distance away from the site, a regular reminder of the ZNPP's frontline location. A year after the destruction of the downstream Kakhovka dam disrupted the ZNPP's supplies of cooling water, the team visited the site's cooling pond and observed that its height was almost 1.5 metres below the level before the dam was destroyed.
- The IAEA team continues to closely monitor the maintenance activities at the plant, another area highlighted by the Director General as posing a potential risk to nuclear safety and security in his Board statement on Monday. As part of these activities, the IAEA experts visited the 750 kilovolt (kV) open switchyard and discussed ongoing maintenance on the relay protections for the transformer of reactor unit 2, among other activities. They saw that some of the switchyard components, for one of the 750 kV lines, that were damaged in 2022 had been dismantled. However, the ZNPP is not currently planning to complete repairs, at this time, as the line itself remains unavailable due to damage sustained earlier, away from the site. The ZNPP had four 750 kV lines available before the war, but only one is remaining. The IAEA team of experts also visited the two fresh fuel storage facilities and the turbine building of unit 6, once again without being granted access to the western side of the building.

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

- On June 03-10, 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 June 10, 2024, is the 838 day of the resistance Ukraine to the russian military invasion.
- According to the General Staff of the Armed Forces of Ukraine [AFU], over 700 combat engagements took place during the week. russian army attacked even more intensively in Pokrovsk, Orikhivsk and Siversk directions [eastern Ukraine]. russia launched 15 missile strikes and 431 air strikes, including 367 with GABs. The russians fired 21,000 times, including 733 times from multiple launch rocket systems.
- **Situation in Kharkiv region.** Combat clashes with the enemy continue in the north of the Kharkiv region. russian army is regrouping its troops along border here. During the week, russian troops carried out 35 attacks in the Kharkiv



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sector. The Ukrainian Armed Forces stopped the enemy's offensive.

- **Hostilities in the East.** Ukrainian Armed Forces repelled attacks in the Lyman, Siverskyi, Kramatorsk, and other sectors in Luhansk and Donetsk regions.
- **Situation in the South.** In the Orikhivsk sector, russians attacked Ukrainian positions 40 times near Robotyne, Novodanylivka and north-west of Verbove in Zaporizhzhya region. In the Prydniprovskiyi sector, the occupiers conducted 26 attacks on the positions of Ukrainian troops near Krynyky, Kherson region.
- In the rest of the directions, the situation has not undergone significant changes. Defense forces continue to repulse the enemy and inflict maximum losses on the entire front line.
- At night, on 10 June, the Ukrainian Defence Forces successfully attacked one S-400 anti-aircraft missile division of the occupiers near Dzhankoy in the Crimea, as well as two enemy S-300 anti-aircraft missile divisions near Chornomorske and Yevpatoria. In particular, in these areas, after the strikes of Ukrainian missile launchers, an immediate cessation of the operation of S-300/S-400 radars was recorded. In addition, further detonation of ammunition was observed in all three areas of the starting positions of the russian anti-aircraft missile divisions.
- According to the UN Human Rights Monitoring Mission in Ukraine, number of civilian casualties in Ukraine in May sharply increased due to russian attacks in Kharkiv region. At least 174 civilians were killed and 690 others were injured in May as a result of russian attacks. According to the UN, the number of victims in May increased by 31% compared to April. They also added that the number of victims in May is the highest since June 2023.
- On the nights of June 7, russians attacked Ukraine's critical infrastructure with strategic aviation - Tu-95MS bombers and Shahed-131/136 strike UAVs. As a result of the air combat, 48 attack UAVs and 5 Kh-101/Kh-555 cruise missiles were shot down in the Dnipro, Zaporizhzhya, Kirovohrad, Mykolaiv, Kherson, Odesa, Kharkiv, Kyiv and Khmelnytskyi regions. NPC Ukrenergo applied emergency power outages in 12 regions.
- On the night of 6 June, russians attacked the Dnipro region with two Iskander-M ballistic missiles from Taganrog and attacked with 18 Shahed-131/136 strike UAVs from the areas of Primorsko-Akhtarsk - russia, Cape Chauda - Crimea. Also, as a result of air combat, 17 attack UAVs were shot down in the Mykolaiv, Kherson, Zaporizhzhia, and Khmelnytskyi regions.
- On the night of 5 June 2024, the russian occupiers attacked Ukraine with 27 Shahed-131/136 attack UAVs from the Kursk region of the russian federation and Cape Chauda in Crimea. As a result of the air battle, 22 "Shaheds" were shot down in the Mykolaiv, Kherson, Dnipro, Sumy, and Poltava regions.

*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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***Strike of russian federation on Poltava region on June 07, 2024: wounded are still in serious condition, more than 50 private houses have been damaged.***



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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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