

INFORMATION DIGEST

JUNE 15, 2023



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

- According to SE NNEGC Energoatom, as of June 15, 2023, 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.
- Energoatom's VVER-1000 power unit connected to the grid after scheduled maintenance. The capacity is being ramped up. The planned maintenance of the unit began on April 1 and was completed 20 days ahead of schedule. Therefore, the unified power system of Ukraine was strengthened by 1000 MW of electricity.
- A regular meeting of Command Centre on completion of Khmelnytsky NPP unit 3 was held. President of SE NNEGC Energoatom Petro Kotin together with Khmelnytsky NPP Director General Andrii Kozyura monitored the progress of design, maintenance and restoration works at KhNPP power unit 3 following which a regular meeting of Command Centre on its completion was held. While stressing that further work on the construction site will require more and more staff, Petro Kotin emphasized: "Fortunately, we have enough skilled personnel, in particular, those our nuclear power professionals who worked at the ZNPP before the invasion, but were forced to move out." He thanked "nuclear workers for working in such challenging conditions, because despite the war and many hardships, they are doing their utmost for the development of modern and safe nuclear generation." But now, Energoatom CEO highlighted, "it is crucial to gather strength and work according to the schedules." As a reminder, the construction of new power units is an important part of the Energy Strategy of Ukraine until 2050, given achieving the set goals is possible due to the development of modern and safe nuclear generation.

Current situation on Zaporizhzhya NPP

- According to the SE NNEGC Energoatom as of June 15, 2023, the Zaporizhzhya NPP received power for its in-house needs from the energy system of Ukraine.
- According to the SE NNEGC Energoatom despite the undermining of the dam of the Kakhovskaya hydroelectric power station by the Russian invaders, the situation remains stable and under control. As of 10.00 on June 14, the water level in the Kakhovka reservoir near Nikopol continues to decrease, in the cooling rate of the Zaporizhzhya NPP, it remains unchanged - 16.67 m. This is quite enough to meet the needs of the station. The water level in the TPP canal, from where, if necessary, the ZNPP pond is filled with water, is at the level of 11.21 m. Note that recently the water level in the canal has not dropped significantly, its indicators no longer depend on the fluctuations of the Kakhovka reservoir. It should be



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recalled that the ZNPP power units have not been operating since September 2022, so since then there has been no active evaporation of water from the cooling pond.

- On 15 June, the IAEA Director General visited the temporarily occupied Zaporizhzhya NPP for the third time. Currently, the water level is remaining at a sufficient level to ensure that the station can maintain safety "for a certain period of time," he said. Grossi added this will be monitored by IAEA very carefully. As he was leaving the occupied ZNPP, Grossi was shown the destroyed bridge on the front line of Russian and Ukrainian forces. He noted that he had collected enough data and the IAEA would monitor the situation further.

Current situation on Chornobyl NPP and in the Exclusion Zone

- On June 15, 2023, 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

- The 477 day of the resistance of Ukraine to the Russian military invasion has ended.
- According to the General Staff of the Armed Forces of Ukraine, thirty combat clashes took place between the defence forces of Ukraine and the Russian occupiers on 15 June. Last night, the Russian Federation carried out another airstrike on Ukraine using two Iranian-made Shahed attack UAVs. Anti-aircraft defences destroyed both drones. Over the course of the past 24 hours, the enemy launched 5 missile strikes, using Kh-101/Kh-555 and Kh-59 cruise missiles. In addition, they carried out more than 60 airstrikes and also launched 80 attacks using multiple-launch rocket systems on the positions of our military and the [peaceful] settlements. Unfortunately, there were civilian fatalities and casualties, and industrial facilities in Kryvyi Rih in Dnipropetrovsk Oblast as well as residential buildings and administrative infrastructure facilities in Kherson Oblast have been damaged. The likelihood of missile and air strikes throughout Ukraine remains very high.
- The Russian army continues to focus its main efforts on the Lyman, Bakhmut, Avdiivka, and Marinka fronts – there were 30 combat clashes over the past day. On the northern fronts, the operational situation has not changed significantly. The Russians fired 21 times on the border areas of Sumy Oblast [northern Ukraine] on 15 June, with 98 explosions recorded, three children wounded, and damage to an administrative building. On the Bakhmut front, the invaders carried out unsuccessful offensive actions. Russian forces are on the defensive on the southern fronts [Zaporizhzhya and Kherson directions]. They used guided air bombs to attack the front line.
- The blowing up of the Kakhovka dam could lead to massive wildlife deaths: the Russians committed the crime during the breeding season. Damage from the deaths of animals is estimated at over 883 million hryvnias [approximately US\$24 million – ed.], but these figures are not final. The approximate estimates were made by the State Ecological Inspectorate of Ukraine.



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On 15 June, the IAEA Director General visited the temporarily occupied Zaporizhzhya NPP for the third time. After the visit, Grossi noted that one of the key consequences of the destruction of the dam of the Kakhovka Hydroelectric Power Plant is a decrease in the water level in the cooling pond of the ZNPP, which is essential for the plant's safety.



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Blow of of Kakhovka HPP: Boy stands on spot where his house was before flood.



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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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PRESENTATION ABOUT VOLUNTEER ACTIVITIES



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

