

INFORMATION DIGEST

JUNE 5 - 6, 2023



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

- According to SE "NNEGC "Energoatom", as of June 05-06, 2023, 9 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.

Current situation on Zaporizhzhya NPP

- According to the SE "NNEGC "Energoatom as of June 05-06, 2023, the Zaporizhzhya NPP received power for its in-house needs from the energy system of Ukraine. The radiation situation at the ZNPP site remains normal.
- On 6 July, Ukraine's Operational Command Pivden (South) reported that the Russian occupation forces have blown up the Kakhovka Hydroelectric Power Plant (HPP), with Kherson Oblast Military Administration confirming this information. Oleksandr Prokudin reported that the evacuation of the local population from dangerous areas has begun. Water from the Kakhovka reservoir is needed for the plant to receive power for ZNPP turbine capacitors and safety systems. The Ukrainian Energoatom claims that the decrease in the water level of the reservoir should not affect the state of safety of the ZNPP, provided that safety measures are implemented and if all power units of the ZNPP will be in a "stop" state.
- The IAEA also said that there is no "immediate risk to nuclear safety" at the Zaporizhzhia Nuclear Power Plant after the destruction of the Kakhovskaya HPP. Energoatom is monitoring the situation and the actions of ruscists at ZNPP together with other international organizations present at the power plant, in particular, the IAEA. Any changes will be promptly notified.
- The possibility of a drawdown of water level in the Kakhovka Reservoir was foreseen during the construction of ZNPP. That is why, President of SE NNEGC "Energoatom" Petro Kotin noted, the situation is currently kept within the "design" limits: there is a developed list of activities required if the water level in the Kakhovka reservoir drops, and corresponding instructions for ZNPP personnel on how to act to guarantee its safety.
- Director General of the International Atomic Energy Agency (IAEA), Rafael Grossi, will lead the organisation's next mission at the Zaporizhya Nuclear Power Plant after Russia blew up the Kakhovka Hydroelectric Power Plant. Source: Grossi announced this after a conversation with the President of Ukraine, Volodymyr Zelenskyy.

Current situation on Chernobyl NPP and in the Exclusion Zone

- On June 05-06, 2023, the radiation situation at the ChNPP site was without



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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 469 day of the resistance of Ukraine to the russian military invasion has ended.
- On the morning of 6 June, Ukraine's Operational Command Pivden (South) reported that russian occupation forces had blown up the Kakhovka Hydroelectric Power Plant (HPP), flooding a number of civilian settlements in Kherson Oblast. The explosions caused water levels below the town of Nova Kakhovka to rise dramatically, flooding the riverbed and low-lying areas in the city of Kherson and Kherson, Beryslav, and Skadovsk districts of Kherson Oblast.
- By noon, 16 of the power plant's gates, the main building, and the earthen dam insert between the HPP's main building, the lock, and the administrative building were destroyed. The flooding caused by the russian attack on the Kakhovka Hydroelectric Power Plant and the resulting leak from the Kakhovka reservoir reached its peak on the morning of 7 June. Kakhovka reservoir is expected to be completely depleted within the next 2-4 days.
- Despite the russian occupation forces' blowing up of the Kakhovka Hydroelectric Power Plant and the resulting destruction, Ukraine's power system is operating steadily and risk assessments are being carried out. Source: Press service of Ukrenergo, a national power distribution company. At the moment, electricity generation is sufficient to meet the needs of consumers. The repair campaign at many power plants is ongoing, so fewer power units are operating in the power system and generating electricity.
- The fields in Ukraine's south could turn into deserts by as early as next year as a result of the occupiers' destruction of the Kakhovka Hydroelectric Power Plant (HPP). The man-made disaster will cut off the water supply to 31 field irrigation systems in Dnipropetrovsk, Kherson and Zaporizhzhya oblasts.
- In 2023, only 13 irrigation systems are operating on the right bank of the Dnipro River. The act of terrorism at the Kakhovka HPP has effectively left 94% of irrigation systems in Kherson, 74% in Zaporizhzhya, and 30% in Dnipropetrovsk oblasts without a source of water. Without the Kakhovka Reservoir, not only farmers and water users will suffer, but also the sources of drinking water supply to populated areas.
- According to the General Staff of the Armed Forces of Ukraine, russian forces continue to focus their main efforts on attempts to occupy Luhansk and Donetsk oblasts completely. There were 28 combat clashes during the day.
- On the northern fronts, the operational situation has not changed significantly, and no russian offensive groups have been detected.
- On the northern-east fronts, russian forces continue to maintain a military presence in the areas bordering Ukraine. On the Bakhmut front, russian forces conducted unsuccessful offensive operations. On the southern fronts, the russian forces are on the defensive.
- The Armed Forces of Ukraine have stated that the russians' blowing up of the Kakhovka Hydroelectric Power Plant (HPP) will not prevent the Defence Forces



from continuing to liberate the occupied territories. Source: Strategic Communications Department of the Armed Forces of Ukraine.

- A residential accommodation building and over 20 cars have been damaged and a shopping centre caught fire due to a russian missile attack in Kyiv Oblast early on 6 June. Ukrainian air defence had destroyed over 20 russian air targets in and around Kyiv. Debris fell on the roadway in the Desnianskyi district of Kyiv, damaging the power lines of the trolleybus service and causing the windows of a shop to shatter. Kyiv City Military Administration reports over 250 targets shot down over city in May.
- The russian military attacked residential areas of Kherson at night and in the morning on May 5, killing a man and injuring a woman, and damaging critical infrastructure in the region.

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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Many photos and videos have been posted on social media from a number of the settlements which are now flooded as a result of the russians blowing up the Kakhovka Hydroelectric Power Plant (HPP). Details: The Kakhovka HPP was blown up from the inside by the occupiers at around 02:30 on 6 June.



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The photo show 14-year-old Nikita from Kherson. The boy climbed out through the window on the second floor into the rescue rubber boat. Together with his grandparents and a dog, he was trapped in a water trap in his apartment on the 4th floor of a high-rise building. They were evacuated by water to a relatively safe part of the city.

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.

