

INFORMATION DIGEST

20.12.2022



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

- According to the NNEGC "Energoatom" as of 20 December, all 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. The russians are blocking the connection of power units of the temporarily occupied Zaporizhzhya nuclear power plant, which continues to consume more than 100 MW of electricity for its own needs from the energy system of Ukraine. Starting from December 17, the capacity of one of the power units was limited to 600 MW due to the unwillingness of the power system to accept the entire possible amount of electricity from it, since the objects of the power infrastructure were again damaged as a result of shelling. On December 18, Energoatom decided to take one power unit into repair in order to eliminate the defects, for a period while the readiness of the power system to accept the existing power of nuclear generation will be restored.

Current situation on Zaporizhzhya NPP

- According to the NNEGC "Energoatom" as of 20 December, 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.

Current situation on Chornobyl NPP and in the Exclusion Zone

- On 20 December, 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 300 day of the resistance of Ukraine to the russian military invasion has ended.
- On 20 December, Ukraine's border guards downed a russian reconnaissance drone in Sumy Oblast [northern Ukraine]. Border guards used an anti-drone gun and opened targeted fire from small arms. The remains of the drone fell several hundred metres from the positions of border guards.
- Also 19 mortars exploded over the course of a day near the border of Sumy Oblast with russia. There were no casualties or damage.
- Denys Shmyhal, the Prime Minister of Ukraine, has warned fellow citizens that russia may launch new attacks on Ukraine's energy facility so that Ukrainians meet 2023 in the darkness; therefore, the authorities are planning to triple the number of invincibility centres (to 15,000).
- According to the General Staff of the Armed Forces of Ukraine, russia is transferring



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more and more conscripts, weapons, military equipment, ammunition and fuel from the Far East. A monitoring group reported that Russia began transferring military equipment and mobilised Russian occupiers to the South of Belarus, i.e. to the border with Ukraine.

- The Russian Federation keeps focusing on conducting offensive operations on the Bakhmut and Avdiivka fronts [Donetsk region, Eastern Ukraine]. They are trying to improve their tactical position on the Kupiansk and Lyman fronts.
- As per the information from the General Staff, the Russians are defending the previously captured positions and concentrating on deterring the actions of Ukrainian defence forces. At the same time, the invaders are shooting at the positions of Ukrainian troops and civilian facilities along the contact line.
- Over the past 24 hours, the Russian forces carried out 10 airstrikes and 4 missile strikes on civilian facilities in the settlements of Andriivka, Vovchansk and Soledar [Donetsk region, Eastern Ukraine]. They also fired 20 times from multiple-launch rocket systems, aiming at civilian infrastructure of the city of Kherson.
- One person was killed and six more were injured as a result of Russian attacks on Kherson Oblast on 20 December.
- Situation with electricity remains critical in Kyiv region, about 80% of region de-energized.
- Also emergency outages are being implemented in 11 oblasts of Ukraine as the situation in the energy system remains complicated. Due to significant damage to the power system, a big deficit of power remains. Repair works are ongoing but the situation remains quite complicated.
- Following the order of Volodymyr Zelenskyy, the President of Ukraine, and in conjunction with the Ministry of Energy of Ukraine, the Ukrainian energetic company Ukrenergo and other profile institutions, the Ministry of Foreign Affairs of Ukraine continues to actively engage the partners' equipment into restoring the energetic system.
- Ukraine will receive the necessary weapons and ammunition every month for the entire next year - Oleksii Reznikov, Ukraine's Defence Minister, on air during the 24/7 national joint newscast.
- French President Emmanuel Macron announced supply of air defense systems and Caesar self-propelled artillery systems to Ukraine.

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.ukrainskapravda.com), [radiosvoboda.org](https://www.radiosvoboda.org)



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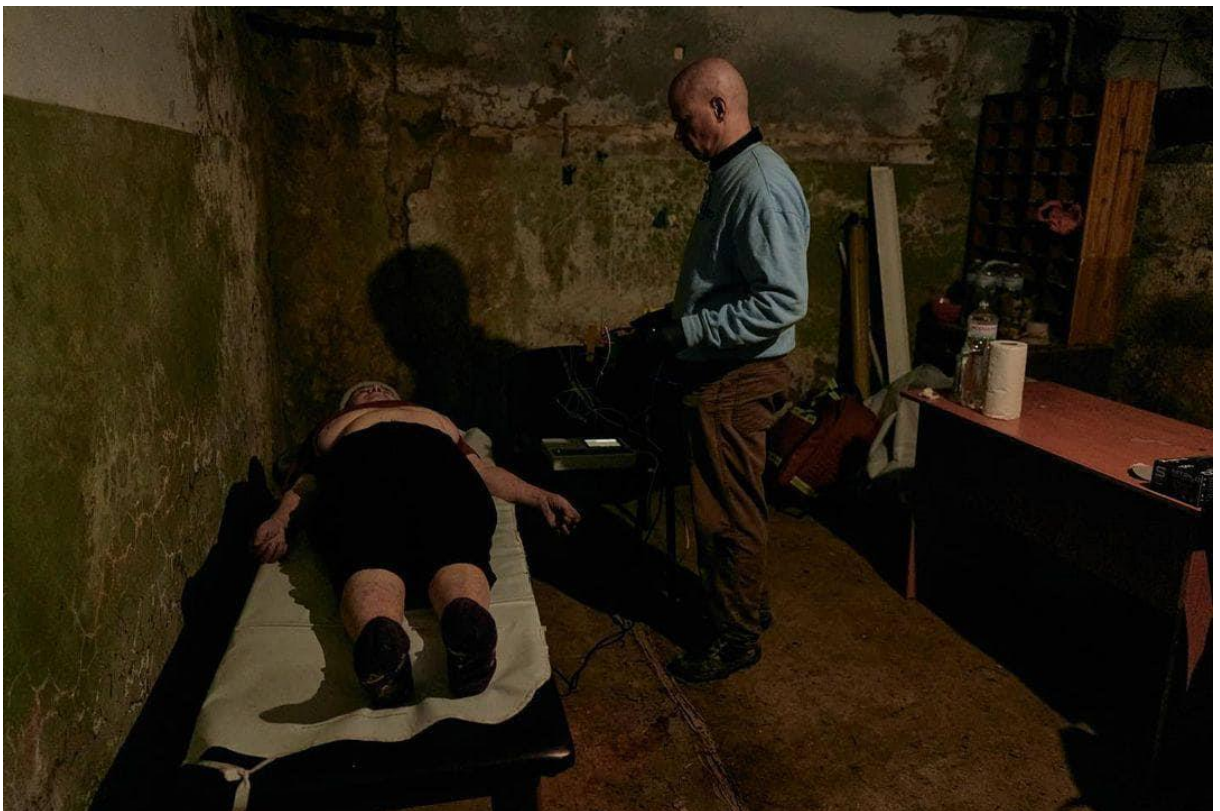


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Ambulatory in the basement and unsigned crosses: photos of realities from the city of Bakhmut [Donetsk region, Eastern Ukraine]. In the photos - Bakhmut outpatient clinic No. 7 and the local cemetery. The medical institution lacks specialized doctors, so volunteer doctors visit the city from time to time. The medical examination takes place in the same way as in a regular hospital, with registration, prescriptions, only under the constant sounds of shelling. This was told by photojournalists Konstantin and Vladislav Liberov.



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However, in Bakhmut, many people die due to diseases and lack of medicine. There are hundreds of rows of new crosses in the local cemetery, many signed by hand, without indicating the date of birth, only the date of death.



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The local cemetery



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***The inscription on the cross: "Unknown woman"
Photo: Konstantin and Vladislav Liberov***

DEAR COLLEAGUES

THE UKRAINIAN NUCLEAR SOCIETY IS ACTIVELY ENGAGED IN VOLUNTEER ACTIVITIES, HELPING OUR COLLEAGUES FROM NUCLEAR POWER PLANTS, REFUGEES FROM THE ZAPOROZHYE NPP, AS WELL AS OUR MEMBERS WHO JOINED THE ARMED FORCES TO DEFENDED OUR COUNTRY.

WE CONSTANTLY NEED MEDICINES, WARM AND THERMAL CLOTHING, HEATERS, BATTERIES AND POWER BANKS, GENERATORS, AS WELL AS PERSONAL PROTECTIVE EQUIPMENT AND OTHER ASSISTANCE.

WE ARE VERY GRATEFUL FOR ANY HELP AND SUPPORT. IF YOU WANT TO HELP IN SOME WAY, PLEASE WRITE TO US AT INFO@UKRNS.ORG

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