

INFORMATION DIGEST

FEBRUARY 7-8, 2023



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

- According to SE "NNEGC "Energoatom", as of February 7-8, 2023, 8 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. At the same time, one of Energoatom's units is still under scheduled maintenance, which is carried out every four years to ensure nuclear and radiation safety.
- 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.
- Ukrainian NPPs are capable of withstanding earthquakes of up to seven scores on the Richter scale. Echoes of the earthquake in Turkey and other regions of the world were also felt in Ukraine. Minor tremors were detected by seismic monitoring systems of the Khmelnytsky and South Ukraine NPPs. All nuclear power plants in Ukraine are fitted with equipment recording tremors of the earth's crust. In real-time mode, the Main Center for Special Control monitors and registers any deviations from the seismic resistance norm in the area of nuclear power plants siting. As noted by the President of Energoatom Petro Kotin, «all Ukrainian nuclear power plants were designed taking into account the seismic activity of the region. When choosing sites for construction, the safest areas were chosen. Domestic nuclear plants are capable of withstanding of up to seven scores.»

Furthermore, Ukrainian NPPs have emergency protection for power units: at six scores, the units are immediately shut down and transferred to a safe state. Studies of Energoatom seismic hazard were carried out subject to the international recommendations of the IAEA and approved by the State Nuclear Regulatory Inspectorate of Ukraine. Every ten years, the safety of all reactors is reassessed for seismic resistance and, if necessary, additional measures are taken to protect the power units. For reference: Western experts use a scale considering the physical effects of destruction, rather than energy, as in the Richter scale. Therefore, 8-9 scores (recorded in Turkey) are equal to 6-7 scores on the Richter scale.

Current situation on Zaporizhzhya NPP

- According to the SE "NNEGC "Energoatom" as of February 7-8, 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.

Current situation on Chernobyl NPP and in the Exclusion Zone

- On February 7-8, 2023, the radiation situation at the ChNPP site was without changes.



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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 350 day of the resistance of Ukraine to the russian military invasion has ended.
- According to the General Staff of the Armed Forces of Ukraine, russian occupying forces have focused their efforts and are conducting offensive actions on 5 fronts, trying to take full control over the territories of Donetsk and Luhansk oblasts.
- The russians continues to focus their main efforts on carrying out offensive actions on the Kupiansk, Lyman, Bakhmut, Avdiivka and Novopavlivka fronts [eastern Ukraine] actively use drones and army aircraft to strike the positions of our troops.
- No russian offensive groups have been detected on the northern fronts. Over 40 settlements were shelled – in particular, in Chernihiv Oblast and Sumy Oblast over the past 24 hours. There were casualties among the civilian population, and a large number of civilian residential buildings were damaged.
- The Ukrainian Air Force carried out 21 strikes on clusters of russian personnel and military equipment, as well as 3 strikes on Russian anti-aircraft missile sites over the past day. Units of Ukraine's Rocket Forces and Artillery inflicted damage on two russian command posts, three clusters of manpower, three anti-aircraft missile system positions, two ammunition storage points and a fuel-and-lubricants storage point.
- russian forces conducted 3 missile and 41 air strikes; as a result of these strikes, 3 civilians have been killed, and three more are in critical condition.
In addition, the Russians carried out 67 attacks using multiple-launch rocket systems (MLRS), hitting, in particular, civilian infrastructure facilities in Kherson Oblast [southern Ukraine]. Two people, including a teenager, were injured. On Wednesday afternoon, February 8, russian forces struck the outskirts of Kherson, killing an elderly man.
- On February 8, two air-to-ground missiles hit the settlement in the north of Ukraine during an air raid-siren. Two civilian were killed, three others were wounded.
- In the evening February 8 the russian forces had launched a new attack on the city of Kharkiv and urged Kharkiv residents to remain in shelters. The russians launched six to ten S-300 missiles at the city, hit Kharkiv's Central Park.
- russia will try to attack either Kharkiv or Zaporizhzhya region – National Security Council of Ukraine. Kyiv believes that moscow will make Kharkiv or Zaporizhzhya oblasts its targets of an expected russian offensive aimed at reclaiming the initiative in the war. Oleksii Reznikov, Ukraine's Defence Minister, has stated that the country's defence forces expect russian offensive operations before the symbolic date of February 24, when the full-scale invasion began; however, he urged people to trust only official information. President of Ukraine Volodymyr Zelenskyy says that russians want to try to recoup last year's failures in February, but Ukraine must survive.
- Ukraine and Britain agree on long-range weapons supply. The President of Ukraine, Volodymyr Zelenskyy, said the United Kingdom is ready to provide Ukraine with a powerful defence package, which includes inter alia long-range weapons.



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- Odesa City Council has warned that there is an increased danger from mines in the oblast due to a storm in the Black Sea. There is a high probability of sea mines breaking from their anchors and nailing to the shore, as well as their drifting along the coast, the city council states.
- The power grid remains in a power deficit, and electricity production has slightly increased; Odesa Oblast suffers emergency power outages on Tuesday, 7 February. The electricity produced is distributed to energy and critical infrastructure (water utilities, boiler houses, hospitals), as well as to cover the needs of industry and the population.

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, euointegration.com.ua



***Kyiv beefs up air defenses to counter Iranian drones used by Russia for its attacks
Crews in off-road cars are armed with heavy machine guns and are equipped with
thermal imaging sights, as well as other devices for detecting targets and laser
indications.***

***Firing positions for mobile groups are determined so that the crew quickly arrives
at the scene.***

Preparing the crew for combat takes no more than one minute.

A mobile fireteam can even destroy cruise missiles and other airborne targets



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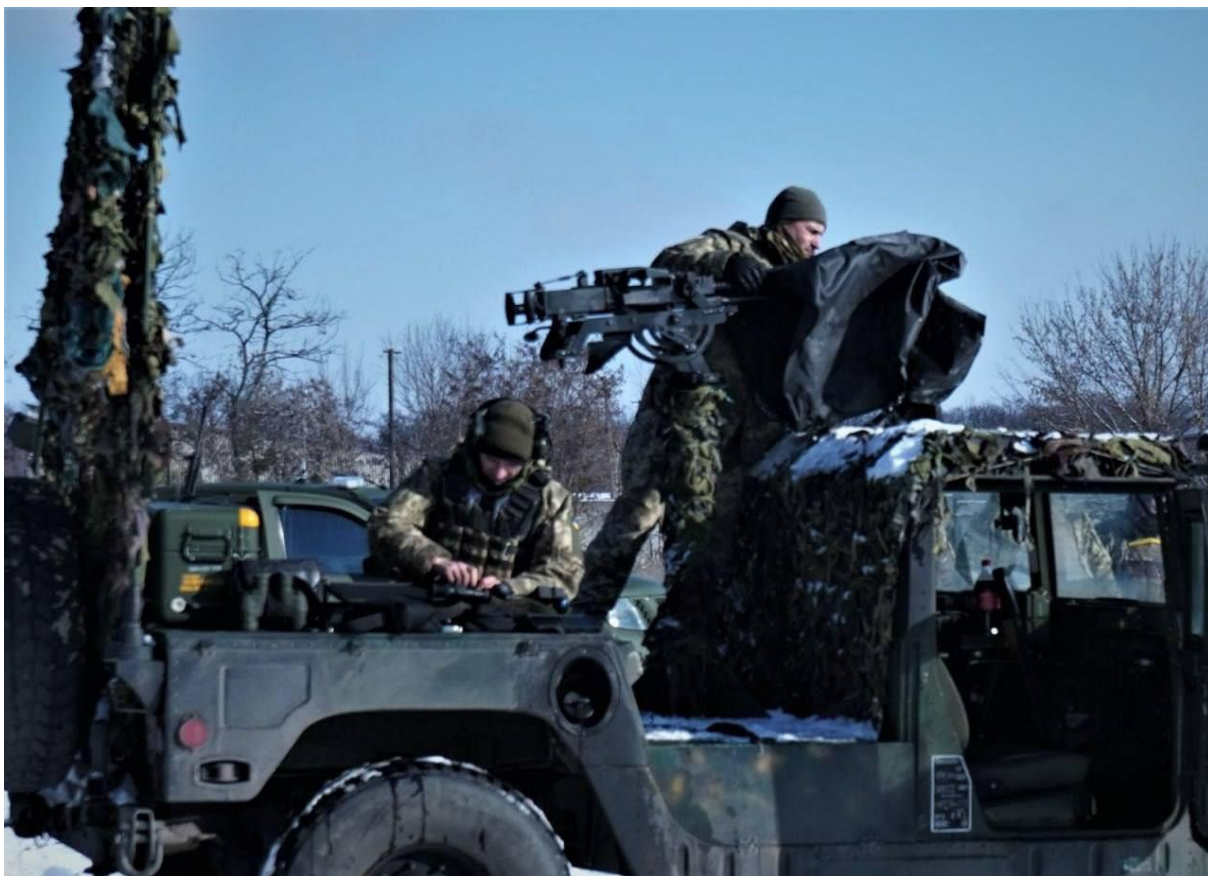


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DEAR COLLEAGUES

THE UKRAINIAN NUCLEAR SOCIETY IS ACTIVELY ENGAGED IN VOLUNTEER ACTIVITIES, HELPING OUR COLLEAGUES FROM NUCLEAR POWER PLANTS, REFUGEES FROM THE 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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