

# INFORMATION DIGEST

NOVEMBER 6-8, 2023



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

- According to SE NNEGC Energoatom, on November 6-8, 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 and Holtec International plan to build a manufacturing facility for spent nuclear fuel storage containers in Ukraine. President of SE NNEGC Energoatom Petro Kotin and Vice President of the U.S. company Holtec International Riaz Awan discussed the plan of the relevant measures at a joint meeting, which took place at the site of the Centralized Spent Fuel Storage Facility (CSFSF).

According to Petro Kotin, the completion of the CSFSF construction until the beginning of a full-scale invasion of the Russian Federation and its operation during the war are of great importance for the Ukrainian nuclear industry. «It is not just about the annual savings of around \$200 million, which Energoatom would have to spend on paying for the transportation and storage of spent fuel in Russia. It was one of the most important steps in achieving our energy independence as well as a complete rejection of Russian nuclear fuel afterwar», Energoatom President highlighted.

Currently, the CSFSF operates successfully and fulfills its function 100%. Meanwhile, the cost savings for the export and storage of spent fuel from domestic NPPs already this year fully covered the costs for the Storage Facility construction. The parties also discussed the transfer of technology to Ukraine and the production of spent nuclear fuel containers, currently manufactured in the United States, at the CSFSF site.

In addition, the meeting also discussed the companies' plans to implement an important project to build a plant in Ukraine, which will produce basic equipment for small modular reactors using Holtec SMR technology, including the reactor vessel. This plant should not only ensure the construction of about 3,000 MW of SMR capacity in Ukraine, but also become a hub for the export of this technology to other European countries.

«The introduction of advanced technologies and the construction of Holtec state-of-the-art manufacturing facilities in Ukraine will be of great importance for the post-war economic recovery of our country. This will create thousands of new jobs and significantly strengthen the competitiveness of the Ukrainian nuclear industry.



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We have a chance to become leaders in this field along with other global companies», Petro Kotin highlighted.

## Current situation on Zaporizhzhya NPP

- According to the SE NNEGC Energoatom as of November 6-8, 2023, the Zaporizhzhya NPP received power for its in-house needs from the energy system of Ukraine. As of 08:00 on November 6-8, 2023, the radiation state at the Zaporizhzhya NPP was within the current norms. SE NNEGC Energoatom reports that as of 08:00 on November 8, the water level in the cooling pond of Zaporizhzhya NPP was 15.67 m. The situation remains stable and under control.

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

- On November 6-8, 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

- On November 6-8, 2023, is the 623 day of the resistance of Ukraine to the russian military invasion.
- According to the General Staff of the Armed Forces of Ukraine, the Defence Forces of Ukraine have repelled assault actions of the russians on five fronts.
- The situation on the Avdiivka front in Donetsk Oblast remains one of the most difficult ones. russian forces continue to try to surround the city of Avdiivka, diversifying their tactics; they have increased the frequency of use of drones.
- In the northern fronts, russian forces are maintaining their military presence in the border areas, undertaking sabotage activities to prevent Ukrainian troops from being deployed to vulnerable areas and increasing the density of minefields along the state border in russia's Belgorod Oblast. Within the last 24 hours, the russians carried out 27 bombardments on the border and settlements of Sumy region, dropping 17 mortar bombs on these territories.
- In the Kupiansk front, russian forces conducted unsuccessful assault operations near the settlements in Kharkiv Oblast where the Ukrainian forces repelled six attacks. On the Lyman front in Luhansk Oblast, and Marinka and the Shakhtarsk front in Donetsk Oblast, russian forces conducted unsuccessful assault operations, where the Ukrainian forces repelled over 20 attacks. Meanwhile, Ukraine's Defence Forces maintain their offensive operation on the Melitopol front [Zaporizhzhya region].
- In the southern direction on the Kherson front, Ukrainian defenders are conducting counter-battery operations, striking the russian rear.
- Two people were killed and one person was injured in russian attacks in Donetsk Oblast on November 8. Another two civilians were injured in Kherson Oblast. russian forces bombarded the city of Kherson on November 9, killing one man and wounding three more civilians. One of them has been taken to hospital.



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- On November 7 russians had attacked an infrastructure facility near the city of Kryvyi Rih. Early reports confirm that no one was injured in the attack. russian forces also have attacked the city of Nikopol and Dnipropetrovsk Oblast eight times during the day with kamikaze drones and artillery, wounding one civilian. Ukrainian defenders shot down a russian missile in Dnipropetrovsk Oblast on the night of November 8-9.

## **UkrNS News**

- **The charity exhibition “Empowering Radiance”.**

Beautiful art works created by representatives of the nuclear industry of Ukraine were presented as part of the charity exhibition “Empowering Radiance”, which took place on November 3 with the support of the NGO “Women in Nuclear Ukraine” [the national chapter of the worldwide network Women in Nuclear (WiN) Global] and the Ukrainian Nuclear Society.

In the categories “Fine art” and “Decorative and applied art” the works of 23 women were presented – employees of the operator of the Ukrainian nuclear power plant “Energoatom”, Rivne, Khmelnytskyi and South Ukrainian nuclear power plants, as well as the Institute of Nuclear Research of the National Academy of Sciences of Ukraine, the Training Center for Physical Protection, Accounting and control of nuclear material named after George Kuzmych, the State Agency of the Exclusion Zone, the Center for Children’s and Youth Creativity of the Ivankiv Settlement Council, the State Enterprise “Central Enterprise for the Management of Radioactive Waste” and the State Enterprise “Ukrainian State Production Enterprise “Izotop”.

As part of the charity exhibition, a collection of funds was announced in support of women serving in the Armed Forces, for the purchase of women’s military ammunition, uniforms, shoes, protection and “female humanitarian”. The organizers of the exhibition will donate all funds to the charity fund “Zemlyachki. Ukrainian Front”.

- The Abstracts collections of the V International Scientific Conference “Prospects for the Introduction of Innovations in Nuclear Energy” and of the International Conference INUDECO 2023 were published.

Please find the Abstracts collections of the V International Scientific Conference “Prospects for the Introduction of Innovations in Nuclear Energy” by the link: [Prospects for the Introduction of Innovations in Nuclear Energy Abstracts collection 2023](#)

The Abstracts collection of Eighth International Conference on Nuclear Decommissioning and Environment Recovery INUDECO 2023 by the link: [INUDECO Abstracts collection 2023](#)

Sources: [t.me/V\\_Zelenskiy\\_official](https://t.me/V_Zelenskiy_official), [t.me/energoatom\\_ua](https://t.me/energoatom_ua), Centre for Strategic



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*Communication, Ministry of Defense of Ukraine, the National Police of Ukraine censor.net, Ukrainska Pravda, radiosvoboda.org, eurointegration.com.ua*



***The charity exhibition "Empowering Radiance" in which Ukrainian nuclear women art works were presented***



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*There are some of Ukrainian nuclear women art works*



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***Olena Vtoraya, the head of the UkrNS Separate Subdivision in the Mykolayiv region in the city of Yuzhnoukrainsk, presented her painting and with her own poetry about Ukraine in a frame of Empowering Radiance charity exhibition***

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!

STAND WITH UKRAINE 



LINK TO SUPPORT



PRESENTATION ABOUT VOLUNTEER ACTIVITIES



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