

INFORMATION DIGEST

NOVEMBER 13-18, 2023



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

- According to SE NNEGC Energoatom, on November 13-18, 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.

Current situation on Zaporizhzhya NPP

- According to the SE NNEGC Energoatom due to the criminal actions of the russians, a primary-to-secondary reagent leak continues at the Zaporizhzhya NPP power unit 5.

As a result of moving power unit 5 of the temporarily occupied ZNPP to the «hot shutdown» state – in violation of the terms of the license of the State Nuclear Regulatory Inspectorate of Ukraine and the requirements of Energoatom – a primary-to-secondary reagent leak incident occurred. Despite the existing violations, the occupation leadership is in no hurry to put the unit into a «cold shutdown» state, using the steam generated by power unit 5 for heating and meeting the power plant's in-house needs.

Due to the incompetence of the russian staff, in particular, the Chemistry Service Shift Supervisor, who lost control over the saturation of the water cleanup filters, the borated water of the primary circuit enters the deaerator of the turbine hall and from there again to all steam generators.

«The actions of the ruscists are completely incompetent. Their efforts to remove power unit 3 from repair and warm it up to a «hot shutdown» state rather than to bring power unit 5 to a «cold shutdown» state is another attempt to continue nuclear blackmail and damage the equipment of another NPP power unit,» President of SE «NNEGC «Energoatom» Petro Kotin stressed.

Such actions of the occupationists can lead to the loss of integrity of the steam generator tubes, which definitely does not comply with the regulations for the safe operation of the NPP power unit.

«By their actions, the invaders once again endanger the safety of operation of the power plant and cause the constant degradation of the equipment and the increase in the frequency of dangerous cases of its failures. And this can lead to an emergency at any moment,» the head of Energoatom added.



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As a reminder, several emergencies have already occurred at the Zaporizhzhia NPP due to violation of license conditions by the occupationists, the latest of which was on November 14, 2023. A partial blackout occurred due to the incompetence of the russian invaders and employees of Rosatom state corporation. ZNPP power unit 6 went to blackout mode, so the diesel generators and safety systems started operating. The power unit was in this mode for 90 minutes.

These data are confirmed by information from IAEA inspectors who are at the site of the temporarily occupied nuclear power plant. Earlier, a danger was recorded at power unit 4. Due to its heating, a primary-to-secondary radioactive coolant (water) leak occurred, which is a violation of one of the barriers on the path of the spread of radioactive contamination.

A similar situation occurred while attempting to «warm up» power unit 6. Additionally, the dumb decision of the current «management» of the power plant to move it to a «hot shutdown» state caused a significant increase in liquid radioactive waste on the power plant site, which is potentially harmful to personnel, the general public and the environment.

As a reminder, since the beginning of the occupation of the Zaporizhzhia NPP by the ruscists, 7 full blackouts occurred there. Such events threatened the entire continent, given the occupationists are not responsible for the nuclear and radiation safety of the power plant.

- Also, according to the SE NNEGC Energoatom, the fake ZNPP «management» ordered russian-made lubricant use for the standby diesel station (SDS), not taking into account that when heated, this lubricant begins to foam intensively. It results in a reduction in pressure in the system and automatic shutdown of diesel generators.

«Such actions of the incompetent and illegitimate ZNPP «management» from Rosatom lead to the inevitable degradation of the plant's safety-related equipment and systems. Finally, this can cause the failure of the most important equipment of safety systems – diesel generators – followed by the occurrence of a nuclear and radiation accident. After the ZNPP de-occupation, all those who are now knowingly carrying out the criminal orders of the occupationists by violating the licenses of the Ukrainian regulator will be held accountable for their actions,» President of SE «NNEGC «Energoatom» Petro Kotin stressed.

All of the above, together with attempts to move Zaporizhzhya NPP power units from a safe «cold shutdown» state to a «hot» one, is a gross violation of the requirements of the nuclear legislation of Ukraine and increases the probability of a radiation accident – Energoatom states.

Current situation on Chernobyl NPP and in the Exclusion Zone

- On November 13-18, 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

- On November 18, 2023, is the 633 day of the resistance of Ukraine to the russian military invasion.
- russians launched assaults in 7 directions. The occupiers have switched to active defense in the Bakhmut direction, Donetsk region [eastern Ukraine], are trying to scout out weak areas in the defense of the Armed Forces of Ukraine and recapture lost positions. However, there are no strategic successes in the russian army along the entire line of contact from the city of Kupiansk, Kharkiv region, to the city of Bakhmut.
- In Kupiansk direction, russians have regrouped and are advancing on the city of Kupiansk from several directions. In the Bakhmut direction, the Defense Forces of Ukraine continue assault operations south of Bakhmut.
- The General Staff informs that the operational situation remains unchanged in the north direction. During the day, the russians carried out 25 attacks on the border areas and settlements of the Sumy region. 165 explosions were recorded. At the night November 18-19, the russians carried out an air strike on the Chernihiv region on the north. russia maintains a military presence in the border areas, conducts active diversionary activities to prevent the transfer of Ukrainian troops to threatening directions, and increases the density of mine and explosive barriers along the state border in the Belgorod region.
- In the Avdiivka direction in Donetsk region russians do not stop trying to surround the city of Avdiivka. Ukrainian soldiers firmly hold the defense. The city is under constant fire, the situation in the city is very difficult. Only two doctors and four nurses remain in Avdiivka. The hospital is constantly under fire.
- In the direction of Zaporizhzhya russians also conducted unsuccessful assaults. At the same time, the Defense Forces of Ukraine continued to conduct an offensive operation in the Melitopol direction.
- On the south, in the Kherson direction, Armed Forces of Ukraine carried out series of successful operations on left bank of the Dnipro river, heavy battles are ongoing. In two weeks, russians lost 4214 soldiers and more than 500 units of equipment in east of Ukraine, - Ground Forces report.
- Also, according to the Ukrainian of the Navy, the russian fleet suffered serious losses, in particular, 15 enemy ships were destroyed and another 12 were damaged. The capabilities of the russians in the Black Sea have significantly decreased thanks to the work of the Defense Forces of Ukraine. This was stated by the spokesman Dmytro Pletenchuk.
- More than 100 settlements in the Chernihiv, Sumy, Kharkiv, Luhansk, Donetsk, Zaporizhzhya, Kherson, and Mykolaiv regions came under artillery fire.
- On 17 November 2023, in the evening, the russian army used UAVs to target civilian infrastructure. According to the Air Force, on the night of November 18, 29 out of 38 "Shahed" attack drones were destroyed. On the night of November 18, the enemy tried to attack the Ukrainian capital using "Shahed" kamikaze



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drones. As noted, the attacks of the "Shahed-136/131" type UAVs were repelled by mobile fire groups of the Defense Forces of Ukraine and the means of the Air Force of the Armed Forces of Ukraine. All air targets - almost a dozen - were hit on the approaches to Kyiv by air defense forces and means.

- On November 16 in total, the enemy launched 9 missile and 31 air strikes, carried out 26 MLRS attacks.
- On November 15, the enemy launched 4 missile and 29 air strikes, carried out 46 attacks from multiple launch rocket systems at the positions of Ukrainian troops and populated areas. Also, the Russian Federation once again attacked Ukraine, using S-300 anti-aircraft guided missiles on civilian infrastructure in the cities of Selidove of the Donetsk region, and Zaporizhzhya. As a result of Russian terrorist attacks, unfortunately, there are dead and wounded among the civilian population. More than 20 private residential buildings, 7 high-rise buildings and other civilian infrastructure suffered destruction and damage.
- During November 14, Russians launched 4 missile and 42 air strikes, carried out 26 MLRS attacks
- On November 13, in Kherson region Russian forces targeted residential quarters, medical facility and educational institution. Three people died, 15 were injured.
- Due to enemy attack on energy facility in Odesa region on November 17, there is blackout, - DTEK [energy supply company] reports. 2,000 families were left without electricity. "The situation was also complicated by unfavorable weather conditions. DTEK's engineers are already working on restoring the electricity supply," the report says.
- On November 17, the Cabinet of Ministers of Ukraine decided to strengthen defense in the Dnipropetrovsk region [central Ukraine]. A total of 178 facilities are planned to be built to protect the region and the entire country. Russia is stockpiling missiles to target Ukraine's energy and critical infrastructure again this winter, but these attacks will not be as large-scale as last year. Ukraine is better prepared for them from the point of view of air defense. President of Ukraine Volodymyr Zelenskyy stated this in an interview with foreign media.
- Russians cannot ensure heating season in occupied territories of Kherson region, - Center of National Resistance. Many boiler houses in the temporarily occupied territories of the Kherson region still do not have reserves of coal for the winter. As reported in the Center, this is due to the fact that coal prices in the occupied territories have tripled compared to last year, and the occupying administrations are still in no hurry to allocate additional funds to ensure the passage of the heating season. Prices for firewood have also increased significantly, which prevents residents of private houses from preparing for winter.
- Without financial support from Western partners, Ukraine will have to choose between social security and expenses for the army. President Volodymyr Zelenskyy said this. He explained that without the help of allies, Ukraine would have to choose between social benefits and expenses for the army, and this could cause a crisis in society.





Consequences of enemy attack by drones on Zaporizhzhya on November 17: enterprise buildings were destroyed, dormitory was damaged



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Consequences of shelling in Kherson region on November 16: Man was killed, four more people were injured



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Missile strike in the city of Selydove on November 15: one private residential building was destroyed, a 4-storey residential building was partially destroyed, 16 private and 7 apartment buildings were damaged. One person was confirmed dead and 3 wounded



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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

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

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