

INFORMATION DIGEST

MARCH 1 - 5, 2024



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

- According to the JSC "NNEGC "Energoatom", on March 1-5, 2024 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.
- According to the International Atomic Energy Agency, the IAEA teams at the Rivne, Khmelnytsky, and South Ukraine NPPs as well as the Chernobyl site continue to report that nuclear safety and security is maintained.

Current situation on Zaporizhzhya NPP

- According to the JSC "NNEGC "Energoatom" on March 1-5, 2024, the Zaporizhzhya NPP received power for its in-house needs from the energy system of Ukraine. On March 1-5, 2024 the exposure dose rate of gamma radiation in the area where the Zaporizhzhya NPP complied with current standards.
- According to the IAEA, throughout the week, the experts conducted walkdowns across the ZNPP site, including the cooling pond facilities as well as the cooling towers and sprinkler ponds, which provide cooling water for the six reactors, five of which are in cold shutdown and one in hot shutdown. The sprinkler ponds are full and continue to receive cooling water from the 11 groundwater wells which were constructed after the destruction of the downstream Kakhovka dam in mid-2023.

The team also visited the isolation gate of the discharge channel of the Zaporizhzhya Thermal Power Plant (ZTPP), but they were not able to access the isolation gate of the large ZNPP cooling pond, a location IAEA experts last saw in November last year.

During the past week, the IAEA experts conducted a walkdown of the safety systems rooms of reactor unit 5, observing that routine testing of some safety system pumps was underway. The team also visited the two fresh fuel storage facilities on the site.

During the walkdowns conducted by the IAEA experts over the past week, they observed that anti-personnel mines were once again visible within the perimeter fences that are inaccessible to personnel, after they had appeared to be gone in early February. The IAEA team has continued to report about the sound of explosions and other indications of military activity in the area, which is on the frontline of the conflict.

Current situation on Chernobyl NPP and in the Exclusion Zone

- On March 1-5, 2024, 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 March 5, 2024, is the 741 day of the resistance Ukraine to the russian military invasion.
- According to the General Staff of the Armed Forces of Ukraine [AFU], during last week the Ukrainian military repelled enemy attacks in the Avdiivka, Kupiansk, Lyman, Bakhmut, Novopavlivka, Orihiv, and Kherson directions.
- **Combat actions in the East.** russians are regrouping in Donetsk region, pulling up reserves and actively using aviation. The russian invaders are reinforcing their reserves with additional units. At the same time, the Ukrainian Defense Forces are also strengthening their defense lines.
- russian invaders have some local successes in the Avdiivka sector. The russian army is increasing the intensity of artillery shelling, has a significant advantage in ammunition, is increasing the number of assault groups - up to a battalion tactical group, and is sending new reserves into the battle, thus having some local successes. At the same time, the operational situation is dynamic. The defence forces continue to conduct defensive operations, sometimes regaining lost positions, setting up additional positions of units, firing positions, and observation posts.
- Mostly russians tried to break through Ukrainian troops' defense in Marinka sector in Donetsk region. The situation on the outskirts of the city of Avdiivka in Donetsk region is currently difficult, with the enemy using a huge amount of equipment and manpower. The intensity of air strikes here is 60-70 daily.
- **Situation in the North.** In the north of Ukraine in the Volyn and Polesia directions, the operational situation remains without significant changes. russians maintains a military presence in the border areas, conducts active sabotage activities in order to prevent the transfer of Ukrainian troops to threatening directions, increases the density of mine-explosive barriers along the state border in Belgorod region of the russian federation.
- **Situation in the South.** In the south of the Zaporizhzhya sector and in the Kherson sector, the Defense Forces continue to hold their positions and repel the attacks of the occupation forces. Despite significant losses, the enemy continues to try to drive Ukrainian units from their positions.
- In the Kherson region, the enemy has become more active, but the creation of additional strike groups has not been observed. Ukrainian defenders are strengthening already built defense structures. Ukrainian defenders have secured footholds on the left bank of the Kherson region. However, the enemy continues to attack without changing its tactics. The russians have an embargo on the use of armoured vehicles in this area.
- At night, March 1, the russian occupiers attacked Ukraine, using unmanned aerial vehicles of the "Shahed-136/131" type.
- On 2 March, an enemy attack drone had hit a high-rise building in the city of Odesa. One entrance was destroyed to the ground. The number of casualties as



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a result of a Russian Shahed strike has risen to 12, including 5 children.

- On the afternoon of 4 March, Russians launched a missile in the direction of the city of Dnipro. It was shot down by air defence - Air Force. In the afternoon of March 5, Russian troops shelled Krasnohorivka, Donetsk region, killing a man. Also, on the night of 5 March 2024, Russians attacked with 22 Shahed-type attack drones. Launch areas Balaklava - Crimea. As a result of combat operations, air defence destroyed 18 "Shaheds" within Odesa region. On the night of 5 March, drones manoeuvred over residential and industrial areas of Odesa, hitting a building of a recreational facility.
- Ukrainian pilots are already practicing strikes on ground and air targets on F-16 fighters. This was announced on the air of the telethon by the spokesman of the Air Force of the Ukrainian Armed Forces Yuriy Ihnat. In Ukraine, the infrastructure for the F-16 is being adapted. Ground personnel are also being trained, who are currently learning how to maintain aircraft, how to program them, how to strike with precision weapons.

UkrNS News

Ukrainian Nuclear Society invites you to take part in the International Scientific and Technical Conference "Problems of modern nuclear energy" which will be held in April, 17-19, 2024 in the city of Kharkiv, Ukraine, V. N. Karazin National University, «YermilovCentre» (Hybrid Format).

Organizers of the event:

Ukrainian Nuclear Society, National Science Center Kharkiv Institute of Physics and Technology NAS of Ukraine, V. N. Karazin Kharkiv National University

Within the framework of the conference, the following questions will be considered:

- Development of the nuclear energy complex of Ukraine
- Materials for nuclear energy
- Increasing the level of safety and efficiency of NPP operation
- Lifetime extension of NPPs and management of life cycle and ageing at nuclear power plants
- Nuclear, radiation and environmental safety in the handling of RAW and SNF
- Problems of thermonuclear fusion
- Work with the public in the nuclear industry

Submission of applications for participation and report titles deadline is until 15.03.2024 by the link:

[REGISTRATION FORM](#)

Detailed information about the Conference can be found here:

[INFORMATION ABOUT THE CONFERENCE](#)



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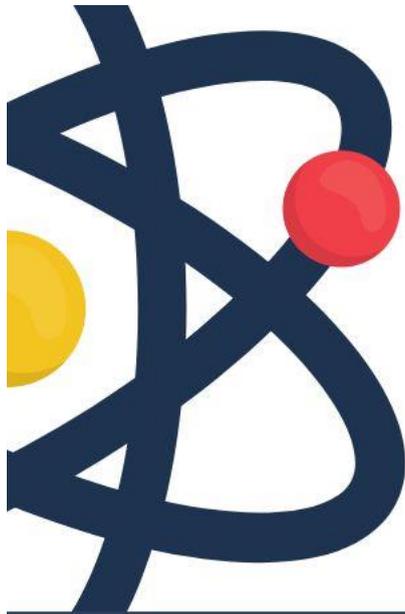


The working languages of the conference are Ukrainian and English.

Phone number for information:

+38 (097)-191-38-28;+38 (063)-942-38-93;+38 (050)-343-19-44;

E-mail address of the organizational and program committee: pmne2016@ukr.net



INTERNATIONAL SCIENTIFIC AND TECHNICAL
CONFERENCE NAMED AFTER V. VOYEVODIN

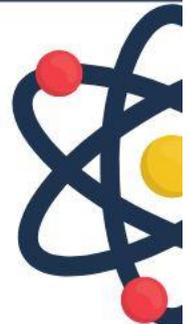
PROBLEMS OF MODERN NUCLEAR POWER

Kharkiv, Ukraine
V. N. Karazin National University
«YermilovCentre»

Kharkiv, Ukraine

17-19

APRIL, 2024



Submission of applications
for participation and
report titles

until March 15, 2024

kipt.kharkov.ua

[MORE DETAILS](#)

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Two years since the beginning of the occupation ZNPP. Since March 4, 2022, the russians have illegally occupied and held the Zaporizhzhia Nuclear Power Plant. And for two long years now, russian occupiers, criminals, have been creating extraordinary and unprecedented threats to nuclear and radiation safety not only for Ukraine, but for the whole world.

Thoughtlessly shelling the Zaporizhzhia NPP site, damaging equipment and buildings, mocking the Ukrainian plant personnel, who, despite moral pressure and often-physical torture, continued to ensure the functioning of the largest nuclear power plant in Europe. All this time the russians cynically deny violations, the fundamentals of safe operation of the nuclear power plant and their terrorist activities against the whole world.

Since the beginning of the russian occupation, due to constant russian shelling, eight complete blackouts and one partial blackout have already occurred at the Zaporizhzhia Nuclear Power Plant, with the launch of emergency diesel generators and security systems, which is absolutely unacceptable. The Zaporizhzhia NPP also houses a large amount of russian military equipment and troops, and the station has actually been turned into a military base.

By their actions, the russians turned the safest nuclear power plant in Europe into the most dangerous in the world. Moreover, the russian occupation of the station is the only reason for the existence of such a danger. The occupation will disappear and this danger will disappear.

That is why on this day the Ukrainian Nuclear Society once again calls on the entire civilized world to take concrete steps and actions to return the Zaporizhzhia nuclear power plant under the full control of the legal operator and Ukraine and ensure its safety.



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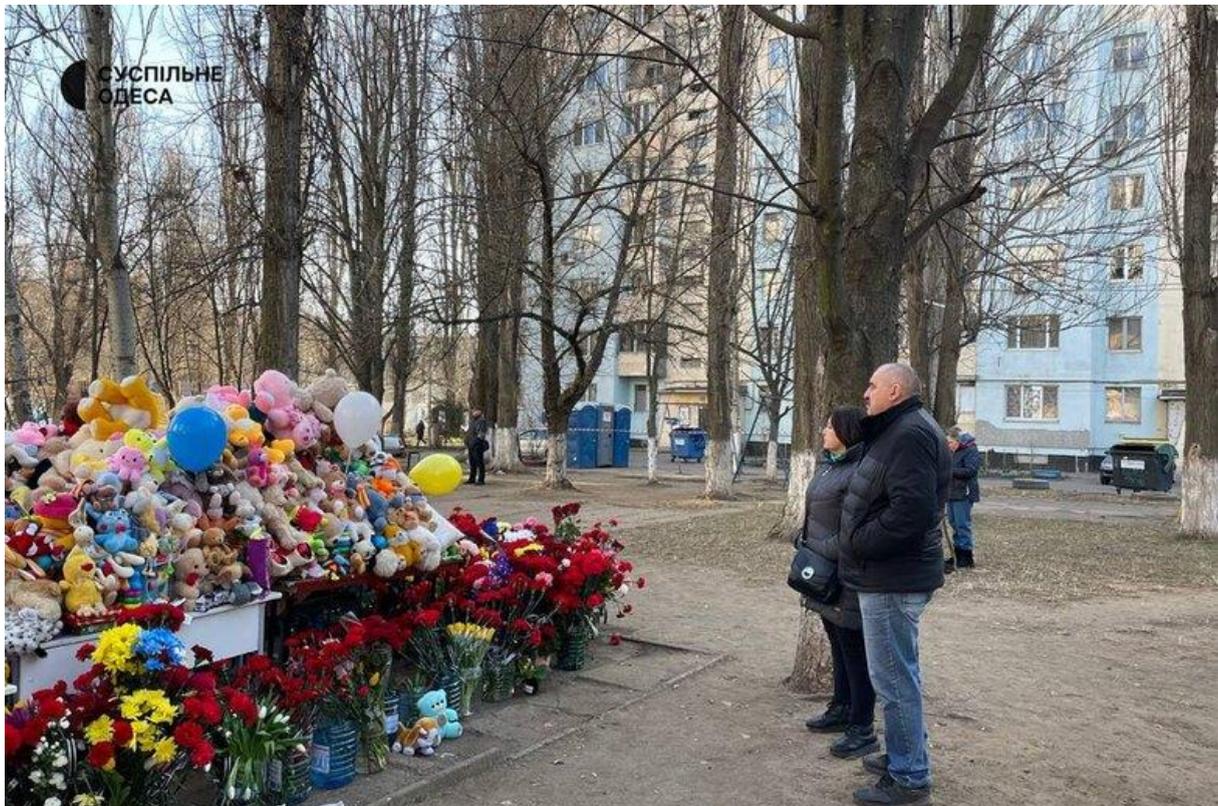


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In Odesa, people carry flowers, toys and lamps to the high-rise building where 12 people, including 5 children, were killed in a russian drone attack on 2 March. A russian "Shahed" attack in a multi-storey building in Odesa destroyed 18 apartments and damaged 7 more.



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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

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.

