

INFORMATION DIGEST

NOVEMBER 9-10, 2023



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

- According to SE NNEGC Energoatom, on November 9-10, 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 as of November 09-10, 2023, the Zaporizhzhya NPP received power for its in-house needs from the energy system of Ukraine. As of 08:00 on November 9-10, 2023, the radiation state at the Zaporizhzhya NPP was within the current norms.

Current situation on Chernobyl NPP and in the Exclusion Zone

- On November 9-10, 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.
- On November 7-8, the office of the Chernobyl NPP in Slavutych and the industrial site of the station were visited by experts from the IAEA Medical Mission. The purpose of the visit was to assess the results of previous IAEA assistance missions and analyze the current needs of ChNPP in material, technical, and humanitarian assistance.

The delegation explored ways the IAEA could help improve working conditions for the personnel, including visits to the ChNPP office in Slavutych meeting with ChNPP management, and also the town hospital and Social-Psychological Centre both of which are considered to be partners of the IAEA in improving the physical and psychological condition of the plant personnel. On the ChNPP industrial site, the delegation visited areas designated for shift personnel's rest, as well as the site medical facility. IAEA experts familiarized themselves with the sanitary and living conditions provided for the workers, and observed the needs and challenges arising since ChNPP transitioned to a shift work schedule. The visit concluded with a productive meeting, discussing potential collaboration opportunities.

War in Ukraine

- On November 10, 2023, is the 625 day of the resistance of Ukraine to the Russian military invasion.
- According to the General Staff of the Armed Forces of Ukraine, Russian troops



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unsuccessfully carried out assault operations in 7 directions in the east and the south of Ukraine.

- The russians have not stopped active operations in the Kupyansk direction and have intensified in the Bakhmut direction [Donetsk region], where they changed from defense to active defense, attacking south of the city of Bakhmut. russians do not stop trying to encircle the city of Avdiivka [Donetsk region]. A large amount of ammunition is stored in the warehouses of the russian army, the russian troops is constantly shelling the positions of the Armed Forces of Ukraine, 87 combat clashes took place during the past day. In total, the russians launched 5 missiles and 83 air strikes, carried out 102 attacks from rocket salvo systems on the positions of Ukrainian troops and populated areas.
- The General Staff informs that the operational situation remains unchanged in the northern directions.
- In the south on Zaporizhzhya direction, the russian army conducted assaults, without success. At the same time, the Defense Forces of Ukraine continue to conduct an offensive operation in the Melitopol direction, inflict losses in manpower and equipment on the occupying forces, and exhaust the enemy along the entire front line.
- In the Kherson direction, Ukrainian soldiers are conducting a counter-battery fight. The russian invaders are deliberately mining and blowing up infrastructure facilities in the temporarily occupied territory in Kherson region in order to provoke and set the local population against the Defense Forces - the head of the joint press center of the Operational Command "South" Natalia Humeniuk told about this.
- The adversary continues to ignore the laws and customs of warfare, uses terror tactics, launches missile and air strikes, fires multiple rocket launchers not only at the military but also at numerous civilian objects of Ukraine.
- In the night on November 10-11 russian Federation once again attacked Ukraine, using 2 Kh-59 guided air missiles, the Onyx anti-ship missile, the S-300 anti-aircraft guided missile, the Kh-31 guided missile, and 31 Shahed-136/131 type UAVs. One Kh-59 missile and 19 attack UAVs were destroyed by anti-aircraft defense. As a result of russian attacks, unfortunately, there are dead and wounded among the civilian population. Residential buildings, port infrastructure, road transport, and other civil infrastructure were destroyed and damaged.
- On November 10, the russians launched one missile and 46 air strikes, carried out 36 MLRS attacks.
- More than 110 settlements in the Chernihiv, Sumy, Kharkiv, Luhansk, Donetsk, Zaporizhzhya, Kherson, and Mykolaiv regions came under artillery fire.
- Also on the night of November 11, the enemy massively attacked the Dnipro region [central Ukraine] with drones. Two Shaheds hit the building. There is destruction.
- After a long pause of 52 days, the russians resumed missile attacks on Kyiv. In the morning of November 11, the occupiers insidiously attacked the capital of Ukraine with ballistic missiles, one missile was destroyed by air defense forces. Unfortunately, the attack resulted in damage to houses. There were no casualties.



UkrNS News

- On November 6, the results of the All-Ukrainian essay competition among high school students "Nuclear Energy and the World"-2023 were announced.

The competition is held annually by the Ukrainian nuclear society with the participation of higher educational institutions that train specialists for the nuclear industry, as well as with the support of leading enterprises of the nuclear power industry and industry. This year's competition was sponsored by the long-term partners of the Ukrainian Nuclear Society, the Energy Safety Group, which provides support in the implementation of many educational and scientific events of the Society. The purpose of the competition is to attract schoolchildren and young people to the deepening and popularization of knowledge about nuclear energy and nuclear physics; assistance in carrying out effective vocational guidance work with schoolchildren on choosing a profession in the nuclear industry.

The winner and Grand Prix holder of the competition was a schoolgirl from the city of Kharkiv, winner of the qualifying stage in her city, Kateryna Chkuaseli with the abstract "Problems of the development of thermonuclear energy in the world and Ukraine." Based on the results of the evaluation of the works, the jury determined the other winners of the competition:

- 1st place – Sofia Kuzmenko with an essay "Power engineer is a promising profession in post-war Ukraine", the city of Shepetivka.
- 2nd place – Vita Muntyan with the essay "Nuclear energy in Ukraine during the war: how can we protect ourselves", the city of Mykolaiv.
- 3rd place – Evgeniya Ilyushkina with an essay "Comparison of the operation of a nuclear power plant with a Small modular and Pressurized water reactor", the city of Yuzhnoukrainsk.

Additional prizes were awarded to Stanislav Zhurakivsky with his essay "Robots – Little Helpers of Nuclear Giants", the city of Yuzhnoukrainsk; Solomiya Shpakovych, with an essay "Features of the development of the electric power industry during the war and its post-war restoration," the city of Netishyn; Anastasia Kirchenko with an essay "Nuclear energy and climate change", the city of Varash.

For several years now, the final of the competition for high school students interested in nuclear energy and nuclear physics has been held online and attracts a large number of participants. This year, 25 finalists presented their essays, and 65 participants took part in the qualifying stages. In the city of Kharkiv alone, more than 30 applications for participation in the competition were received this year.

The qualifying stages of the competition took place in May-October 2023 in the satellite cities of Ukrainian nuclear power plants Varash, Netishin, Yuzhnoukrainsk,



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Slavutych, as well as the cities where nuclear higher education institutions are located in Kharkiv and Lviv, as well as a general selection of essays in Ukraine, where the finalists were participants from the cities of Kyiv, Dnipro, Mykolayiv and other regions, as well as from the Ivankovsky territorial community (the territory adjacent to the Chernobyl Nuclear Power Plant Exclusion Zone). The jury of the competition includes specialists from leading enterprises, scientific and educational institutions in the industry.

The evaluation of essay took place in two stages. Members of the jury carried out a preliminary assessment of the essay according to such criteria as the relevance of the topic, its compliance with the subject of the competition; the degree of disclosure of the essence of the issue: consistency and logic of presentation, compliance of the conclusions with the assigned tasks and goals of the work; sufficiency of coverage of literary sources, their relevance; compliance of the work design with established requirements, quality of the text.

The final of the competition – presentation of essays – took place on November 1 and 2, 2023. This time, the jury had to evaluate the participants' speeches according to such criteria as informativeness of the speech, clarity in opinions, independence of thinking, ability to substantiate ideas and conclusions, quality of presentation materials, etc. The winners and participants of the competition received fairly high marks for their essays and speeches, as well as many approving reviews from members of the competition jury.

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



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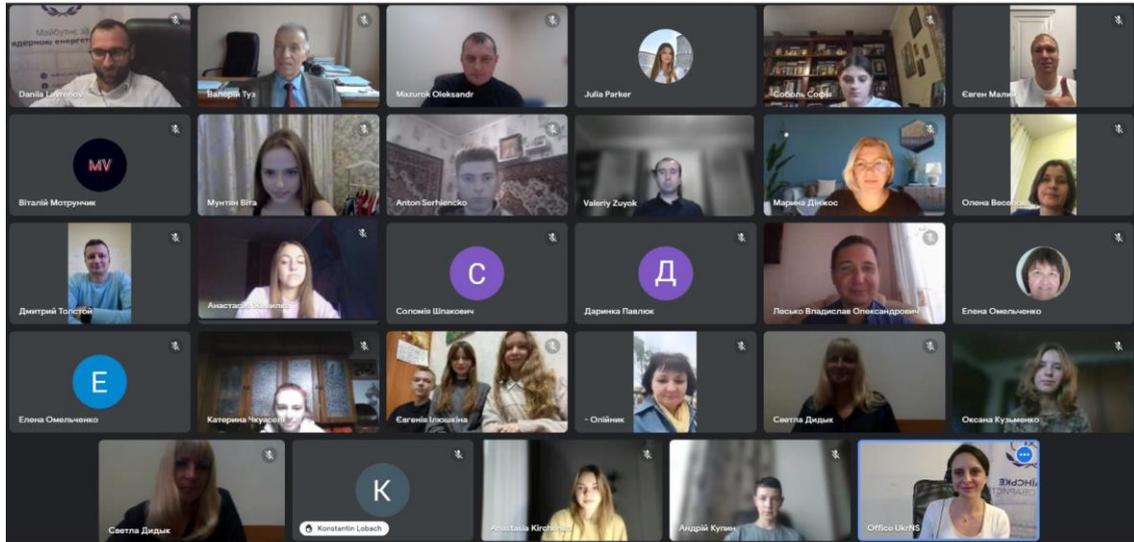
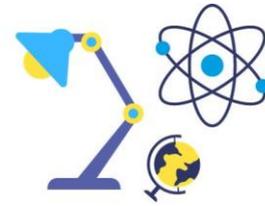


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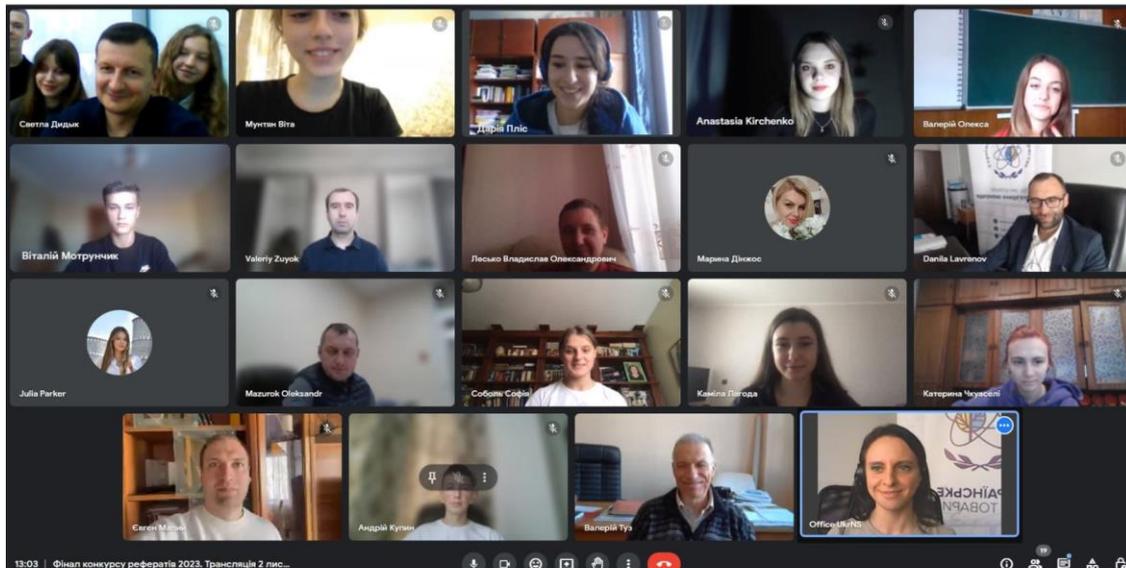
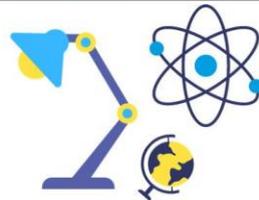
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РЕФЕРАТІВ

ЯДЕРНА ЕНЕРГІЯ І СВІТ



ВСЕУКРАЇНСЬКИЙ КОНКУРС
РЕФЕРАТІВ
ФІНАЛ, 02.11.2023

ЯДЕРНА ЕНЕРГІЯ І СВІТ



ОРГАНІЗАТОРИ



 ЕНЕРГОАТОМ

ПАРТНЕР



The final of the All-Ukrainian essay competition among high school students "Nuclear Energy and the World"-2023 were held by UkrNS, with the participation of higher educational institutions that train specialists for the nuclear industry, as well as with the support of leading enterprises of the nuclear power industry – companies Energatom and Energy Safety Group



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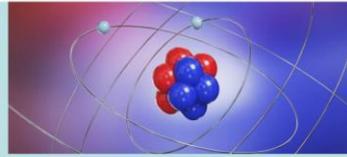
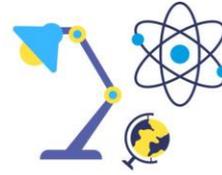
ГРАН-ПРИ
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КОНКУРС ДЛЯ УЧНІВ 9 - 11 КЛАСІВ



*Проблеми розвитку
термоядерної енергетики
в світі та в Україні*

ОРГАНІЗАТОРИ



ЕНЕРГОАТОМ

ПАРТНЕР



The winner and Grand Prix holder - a schoolgirl from the city of Kharkiv Kateryna Chkuaseli with the abstract "Problems of the development of thermonuclear energy in the world and Ukraine."



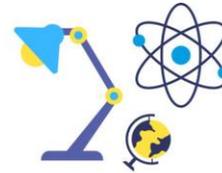
1 МІСЦЕ
СОФІЯ КУЗЬМЕНКО
ШЕПЕТІВКА

ВСЕУКРАЇНСЬКИЙ КОНКУРС
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КОНКУРС ДЛЯ УЧНІВ 9 - 11 КЛАСІВ



ІНЖЕНЕР- ЕНЕРГЕТИК ПЕРСПЕКТИВНА ПРОФЕСІЯ У ПОВОЄННІЙ УКРАЇНІ



Роботу виконала:
Кузьменко Софія
Олександрівна
учениця 10 А класу
Шепетівського НВК №2 у
складі «Загальноосвітня
школа І-ІІІ ступенів- гімназія»

ОРГАНІЗАТОРИ



ЕНЕРГОАТОМ

ПАРТНЕР



1st place – Sofia Kuzmenko with an essay "Power engineer is a promising profession in post-war Ukraine", the city of Shepetivka.



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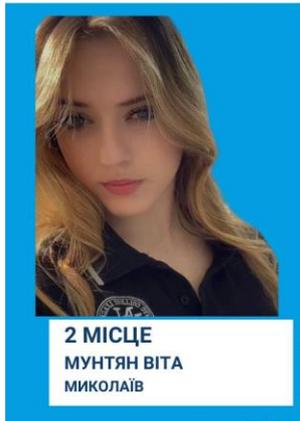


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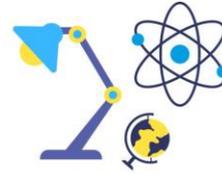
2 МІСЦЕ
МУНТЯН ВІТА
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Реферат на тему: «ЯДЕРНА ЕНЕРГЕТИКА ТА СВІТ»

Роботу виконала:
Мунтян Віта Андріївна,
учениця 9-Б класу
Миколаївського ліцею №51

Керівник:
Діжко Марина Олександрівна,
вчитель фізики
Миколаївського ліцею №51

ОРГАНІЗАТОРИ



ЕНЕРГОАТОМ

ПАРТНЕР



2nd place – Vita Muntyan with the essay "Nuclear energy in Ukraine during the war: how can we protect ourselves", the city of Mykolaiv.



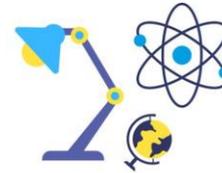
3 МІСЦЕ
ЄВГЕНІЯ ІЛЮШКІНА
ЮЖНОУКРАЇНСЬК

ВСЕУКРАЇНСЬКИЙ КОНКУРС
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ЯДЕРНА ЕНЕРГІЯ І СВІТ

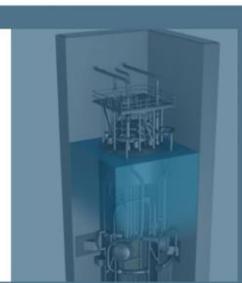
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Тема:



ПОРІВНЯННЯ АЕС З
МАЛИМ МОДУЛЬНИМ ТА
ВОДНО-ВОДЯНИМ
РЕАКТОРОМ



ОРГАНІЗАТОРИ



ЕНЕРГОАТОМ

ПАРТНЕР



3rd place – Evgeniya Ilyushkina with an essay "Comparison of the operation of a nuclear power plant with a Small modular and Pressurized water reactor", the city of Yuzhnoukrainsk.



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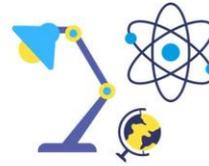
ЗАОХОЧУВАЛЬНИЙ ПРИЗ
ЖУРАКІВСЬКИЙ СТАНІСЛАВ
ЮЖНОУКРАЇНСЬК

ВСЕУКРАЇНСЬКИЙ КОНКУРС
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ЯДЕРНА ЕНЕРГІЯ І СВІТ

КОНКУРС ДЛЯ УЧНІВ 9 - 11 КЛАСІВ



Роботи — маленькі помічники атомних гігантів

...

Роботу виконав: Жураківський Станіслав Сергійович

Керівник: Жебет Олександр Іванович

ОРГАНІЗАТОРИ



ЕНЕРГОАТОМ

ПАРТНЕР



Additional prize: Stanislav Zhurakivsky with his essay "Robots – Little Helpers of Nuclear Giants", the city of Yuzhnoukrainsk



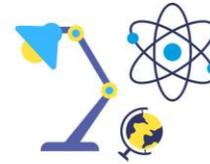
ЗАОХОЧУВАЛЬНИЙ ПРИЗ
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КОНКУРС ДЛЯ УЧНІВ 9 - 11 КЛАСІВ



Особливості розвитку електроенергетики в умовах війни та її повоєнне відновлення.

- Роботу виконала:
Шпакович Соломія
Андріївна,
здобувачка освіти 10-А класу
Нетішинського академічного ліцею
Нетішинської міської ради
Шепетівського району
Хмельницької області

ОРГАНІЗАТОРИ



ЕНЕРГОАТОМ

ПАРТНЕР



Additional prize: Solomiya Shpakovich, with an essay "Features of the development of the electric power industry during the war and its post-war restoration," the city of Netishyn



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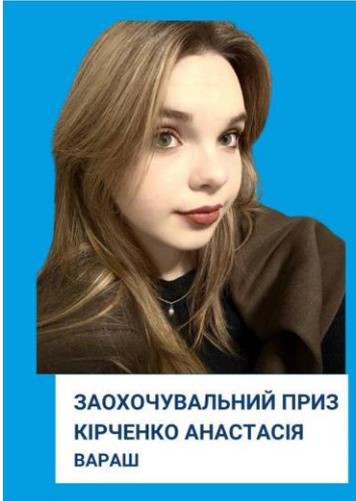


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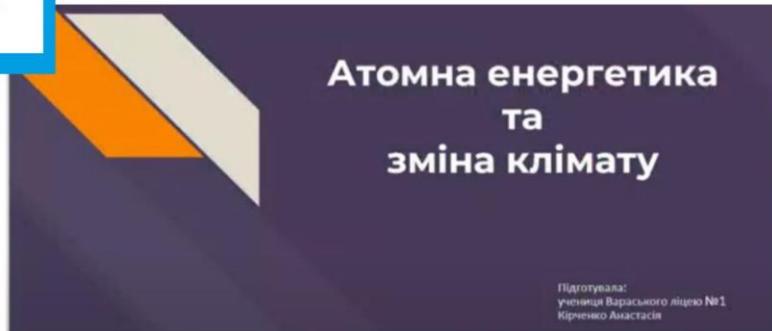
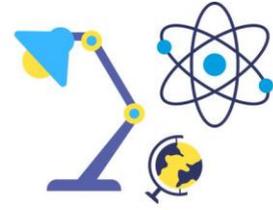
ЗАОХОЧУВАЛЬНИЙ ПРИЗ
КІРЧЕНКО АНАСТАСІЯ
ВАРАШ

ВСЕУКРАЇНСЬКИЙ КОНКУРС
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Атомна енергетика та зміна клімату

Підготувала:
учениця Вараського ліцею №1
Кірченко Анастасія

ОРГАНІЗАТОРИ



ПАРТНЕР



Additional prize: Anastasia Kirchenko with an essay "Nuclear energy and climate change", the city of Varash.

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



DONATE

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