

Information Circular

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Communication from the Permanent Mission of the Russian Federation to the Agency

1. On 2 June 2025, the Secretariat received a Note Verbale from the Permanent Mission of the Russian Federation to the Agency.
2. As requested, the Note Verbale is herewith circulated for the information of all Member States.

ПОСТОЯННОЕ ПРЕДСТАВИТЕЛЬСТВО
РОССИЙСКОЙ ФЕДЕРАЦИИ
ПРИ МЕЖДУНАРОДНЫХ ОРГАНИЗАЦИЯХ
В ВЕНЕ



PERMANENT MISSION
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INTERNATIONAL ORGANIZATIONS
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The Permanent Mission of the Russian Federation to the International Organizations in Vienna presents its compliments to the Secretariat of the International Atomic Energy Agency and has the honour to request to circulate among all IAEA Member States as soon as possible the information on the actual situation at the Russian nuclear facility Zaporozhskaya NPP (ZNPP) for the period from 26 February 2025 to 16 May 2025. This material also contains data on anti-Russian provocations by Ukraine during this period.

1. Ukrainian attacks against the ZNPP and the town of Energodar.

Ukraine continues to carry out attacks using unmanned aerial vehicles (UAVs) and artillery against the ZNPP facilities, the satellite town of Energodar, where the plant's employees and their families live, and surrounding areas.

During the reporting period, 1170 UAVs launched by Ukraine for the purpose of attacks and provocations against the ZNPP and the town of Energodar were suppressed.

February 27, 2025 – Ukraine carried out an attack using a UAV on a residential apartment building, as a result windows on the fifth floor were damaged.

April 16, 2025 – a Ukrainian UAV attack was recorded on the territory adjacent to the ZNPP, the distance to the plant is 300 m. The UAV detonated in the area of the ZNPP training center.

THE SECRETARIAT OF THE
INTERNATIONAL ATOMIC ENERGY AGENCY
Vienna

April 17, 2025 – the Ukrainian Armed Forces carried out three attacks using UAVs on the territory of the town of Energodar near the building of the children's and youth sports school.

On the same day, Ukraine used artillery to attack the ZNPP medical facility. One shell explosion was recorded.

April 21, 2025 – Kiev carried out an artillery attack on the substation of the ZNPP water intake. Four shell bursts were recorded.

April 24, 2025 – Ukraine carried out a strike using a UAV on the auxiliary facility of the ZNPP – the workshops building of the hydraulic engineering center in the area of the cooling towers of the plant. The workshop and an official car were damaged.

April 26, 2025 – the Ukrainian Armed Forces carried out an artillery attack on a playground in front of an apartment building in the town of Energodar.

April 28, 2025 – an employee of the ZNPP was killed as a result of the Ukrainian artillery shelling of Vodyanoye settlement.

On the same day, Ukraine carried out an artillery attack on the auxiliary technical building of the ZNPP in the cooling towers area.

April 30, 2025 – a UAV equipped with an improvised explosive device crashed in front of an apartment building in the town of Energodar.

May 7, 2025 – a UAV launched by Ukraine against the town of Energodar damaged three cars parked in the backyard of an apartment building.

2. Operation and maintenance of the ZNPP.

Currently, all ZNPP power units are in the “cold shutdown” mode.

The staff of the ZNPP, in cooperation with specialized organizations, performed all the necessary work to maintain the plant's equipment in good working condition.

Continuous monitoring of the operating conditions of nuclear fuel is organized and maintained. Nuclear safety during fuel handling at the ZNPP is ensured by means of transportation and storage, which are designed in such a way that under normal

operating conditions and during design accidents, subcriticality is ensured at all stages of handling nuclear fuel.

During the reporting period, the water level in the cooling pond of the ZNPP remained stable – within 14.03 m.

As part of compensating measures, in the absence of a design water supply from the Kakhovskoe Reservoir, water supply systems for power units were supplied from artesian wells with a total capacity of more than 300 m³/hour.

Work is underway to manufacture a cooling pond recharge station designed to provide a design recharge flow rate of up to 18,000 m³/hour.

The power supply of the ZNPP is provided via two high-voltage lines (HVL) from the territory of Ukraine: 750 kV "ZNPP – Dneprovskaya" HVL and 330 kV "L-243 – Ferrosplavnaya-1" HVL.

The 330 "L-243 – Ferrosplavnaya-1" HVL was shut down on May 7, 2025, due to a short circuit in Ukraine.

No blackouts in terms of the power supply for the plant's own needs were recorded during the reporting period. In case of a complete loss of power supply, "Procedure for voltage transmission to the own needs of a ZNPP from the unified power system of Russia in conditions of disconnected 750 kV "ZNPP – Dneprovskaya" HVL and 330 kV "L-243 – Ferrosplavnaya-1" HVL» has been developed.

Currently, 19 diesel generators are in constant readiness mode (17 unit-specific generators and two common-unit generators). The total reserve of diesel fuel is more than 3 000 tons.

To additionally ensure independent power supply to the plant, three mobile diesel generators with a voltage of 6 kV and a capacity of 2 MW each are used.

Three gas boilers with a capacity of 17.4 MW each and 19 unit modular boilers (UMB) with a capacity of 3 MW each are used to supply heat to the industrial site of the ZNPP and the town of Energodar. Nine diesel UMBs are in reserve.

Four UMBs have also been installed, designed to provide steam to special water treatment plants for processing sewage and boron-containing waters.

No temperature deviations were recorded at the industrial site and infrastructure facilities of the ZNPP.

In case of emergency, 55 low-power diesel UMBs have been installed in the town (they are currently in reserve).

Federal state supervision of the use of atomic energy at the ZNPP site is carried out in the regime of constant supervision by the Russian regulatory authority – Rostekhnadzor. Authorized personnel of Rostekhnadzor carried out 58 control and supervisory procedures during the specified period (20 of them were with the participation of the IAEA Secretariat experts).

3. Radiation monitoring at ZNPP.

Monitoring of the radiation situation at the ZNPP is carried out by 14 posts of the information and measuring system “Koltso”.

Radiation monitoring is carried out by more than 2000 measuring channels. Average daily emissions of radioactive substances into the environment through ventilation pipes of power units and special buildings do not exceed the established permitted levels.

The radiation background in the area where the ZNPP is located ranges from 8 to 15 microR/h, which corresponds to the natural radiation background.

The gamma background along the perimeter of the spent nuclear fuel dry storage facility – 15 microR/h, at the ZNPP industrial site – 11 microR/h.

Data from continuous radiation monitoring at the plant site, in the sanitary protection zone and observation zone are transmitted to the ZNPP internal crisis center.

The results of radiological monitoring indicate that the plant has no significant impact on the environment in the area where it is located.

4. Personnel and personnel training.

Currently, 4936 employment contracts have been signed, of which 953 are with operational personnel. There are enough employees at the plant to ensure its safe operation, as well as scheduled repairs.

In order to ensure the safe and reliable operation of nuclear installations of the ZNPP power units, a system of professional personnel training is successfully functioning.

Personnel training is carried out both at the ZNPP and in organizations engaged in educational activities, including the Rosatom Technical Academy.

The organization and conduct of professional training of the plant personnel are carried out at the ZNPP training center. The buildings and premises assigned to the training center are equipped with classrooms for theoretical studies, classrooms for specialized training, laboratories and workshops. The training center has an educational and methodological complex for the training of maintenance personnel and a training center for management and operational personnel. The educational facilities of the training center are equipped with technical training means, including full-scale and analytical simulators for training and maintaining the qualifications of operational personnel.

The training center is fully equipped with the educational, methodological, technical, regulatory and operational documentation necessary for training for a specific position and maintaining the qualifications of plant personnel. The practical solution of complex tasks to increase and maintain the necessary level of reliability of the human factor, including psychological and pedagogical support of personnel training processes, is carried out by the laboratory of psychophysiological support of the ZNPP.

To maintain emergency preparedness, the plant conducts trainings in accordance with the annual schedule of special exercises to practice actions in emergency situations.

5. Interaction with the IAEA Secretariat.

Currently, upon request of the IAEA Director General and with the consent of the Russian Federation, there are three experts from the Agency Secretariat at the plant.

The IAEA Secretariat specialists visit the following facilities of the plant: hydraulic structures; turbine halls, including block pumping stations and reactor halls

of power units, including containment rooms, safety systems rooms, electrical rooms, main and backup control rooms, backup diesel power plants; 750 kV open switchgear; industrial procurement management warehouses and electrical and mechanical warehouses; power repair department workshops; water radiochemical laboratory rooms, chemical workshop and radiation safety workshop.

During the reporting period, the IAEA Secretariat experts visited the training centre with a full-scale simulator, the dry storage site for spent nuclear fuel, the central control room and the external radiation monitoring laboratory; the radioactive sources storage laboratory.

The Secretariat staff participates daily in morning briefings with the director of the plant and constantly interacts with the management of the plant. During their tours at the plant, the IAEA Secretariat experts conducted interviews with the accompanying persons, maintenance staff at the visited facilities, repair services workers and other personnel. The questions covered a wide range of topics, from the simplest clarifications regarding equipment to the nuances of staffing, necessary spare parts and ensuring nuclear safety.

6. Social support and cultural initiatives.

The Russian Federation continues to make efforts aimed at improving the quality of life of the ZNPP personnel and the working conditions at the plant.

Wellness events are held for plant employees and their family members in sanatoriums on the Black Sea coast of Crimea and the Caucasus, as well as in other regions of Russia. Medical services are provided within the framework of compulsory and voluntary medical insurance. Medical examinations are carried out according to the established schedule.

The social life of the ZNPP employees and their family members is actively developing. Various educational, cultural, entertainment and sports events are regularly held.

Data on the situation at the plant can also be found on the official website of the ZNPP (<https://znpp.ru>) in the daily updated section "Current status of the ZNPP".

The Permanent Mission requests the Secretariat to promptly circulate this Note Verbale as IAEA information circular.

The Permanent Mission of the Russian Federation avails itself of this opportunity to renew to the IAEA Secretariat the assurances of its highest consideration.

Attachment: 7 pp.

Vienna, "2" June 2025