

Information Circular

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General Distribution

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

1. On 4 September 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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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 17 May 2025 to 20 August 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, 3 098 UAVs launched by Ukraine against the ZNPP and the town of Energodar were suppressed and destroyed. 21 fire attacks against the ZNPP infrastructure facilities were recorded, including 19 UAV strikes and two artillery attacks.

May 21, 2025 and June 5, 2025 – Ukraine carried out attacks on the ZNPP training center roof of the building “G”. As a result the roof was damaged.

July 13, 2025 – six officers of the Russian National Guard were injured as a result of a strike on the ZNPP training center roof, carried out by three UAVs of the Ukrainian armed forces.

THE SECRETARIAT OF THE
INTERNATIONAL ATOMIC ENERGY AGENCY
Vienna

August 2, 2025 – due to artillery shelling by the Ukrainian armed forces in the ZNPP area, a fire broke out at the industrial site of the plant. One person died. During rescue operations, one of the Russia EMERCOM's fire trucks was under a targeted attack by the Ukrainian armed forces using UAVs.

August 12, 2025 – as a result of massive Ukrainian artillery shelling of the ZNPP industrial site territory and facilities directly adjacent to the plant, a fire occurred in the area of the ZNPP hydraulic structures.

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.

As of August 19, 2025, the water level in the cooling pond of the ZNPP was 13.49 m. It is not possible to fill it up to the design level by taking water from the Kakhovskoe Reservoir due to the destruction of the Kakhovskaya HPP dam by Ukraine.

The required water consumption for ZNPP supply need is 6 000 m³/day. Currently, 11 artesian wells with a total capacity of 6 024 m³/day (more than 300 m³/hour) provide water supply to the plant. On the territory of ZNPP industrial site there are 18 mobile pumping units in the state of readiness, which, if necessary, can supply water from the cooling pond to the ZNPP power units. 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. This includes the 11 wells around the perimeter of the sprinkler ponds, as well as one well at the ZNPP lower site.

The 330 “L-243 – Ferrosplavnaya-1” high-voltage line (HVL) was disconnected on May 7, 2025, due to a short circuit in Ukraine. Since then ZNPP power supply is provided by the only operating 750 kV “ZNPP – Dneprovskaya” HVL.

At 17:36 on July 4, 2025 the power supply via the HVL was cut off. At 22:10 of the same day, power supply to the plant was restored. 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” has been developed.

Currently, 18 diesel generators are in constant readiness mode (16 unit-specific generators and two common-unit generators). The total reserve of diesel fuel is more than 2 660 tons. This volume of fuel is sufficient to supply the plant with electricity from diesel generators for more than 17 days. To additionally ensure independent power supply to the ZNPP, three mobile diesel generators 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 additionally been installed, designed to provide steam to special water treatment plants for processing sewage and boron-containing waters.

Preparations for the fall-winter period of 2025/2026 in the town of Energodar is underway. Hydraulic testing of the heating system equipment started.

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 71 control and supervisory procedures during the specified period, including 10 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 2 000 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 and correspond to the normal operation mode.

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.

As of August 20, 2025, the total number of ZNPP employees is 4 817 persons, including 1 012 – operational personnel. There are enough employees at the plant to ensure its safe operation, as well as to carry out 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 and psychological support is successfully functioning. Personnel training is carried out both at the ZNPP and organizations engaged in science 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 of the training center are equipped with lecture rooms, 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.

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, who came to ZNPP during the regular rotation held on August 18-21, 2025.

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 involving Rostekhnadzor representatives and constantly interacts with the management of the plant. During their tours at the plant, the IAEA 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 on the Russian Black Sea resorts as well as in the sanatoriums of other Russian regions. Medical services are provided within the framework of compulsory and voluntary medical insurance. Medical examinations are carried out according to the established schedule.

Cooperation between the town of Energodar and Sevastopol State University was organized. Professional guidance activities and educational courses are conducted.

The social life of the ZNPP employees and their family members is actively developing. Various educational, cultural, entertainment and sports events are regularly held. In accordance with the plan, repair of social infrastructure facilities in the town of Energodar is underway.

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.

Vienna, " 4 " September 2025