

IAEA Assistance to Ukraine in Nuclear Safety and Security

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IAEA Assistance to Ukraine in Nuclear Safety and Security Assessing and informing



Martial law declaration and notification to the IAEA, 24 February 2022

Incident and Emergency Centre activated

Assessing Nuclear Safety and Security

- Continued monitoring of the situation
 - Unprecedented situation
 - Focus on nuclear safety and security related issues
- Seven indispensable pillars for ensuring nuclear safety and security during armed conflict

Informing the international community

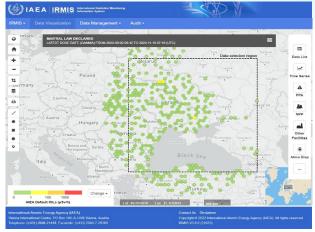
- DG's daily updates
- Special Board of Governors in March
- Dedicated report to the Board of Governors in September and November
- Participation in meetings (ENSREG, EBRD, etc.)
- Two DG's Summary Reports
- Briefings to the UNSC



Situation at NPPs in Ukraine







Radiation situation in Ukraine as of 10 November 2022

Operating safely and securely under the challenging circumstances up to date

No releases of radioactive material occurred

Presentation Anna Bradford, IAEA

Technical Assistance in Nuclear Safety and Security In-person missions

In total, six missions to Ukraine:

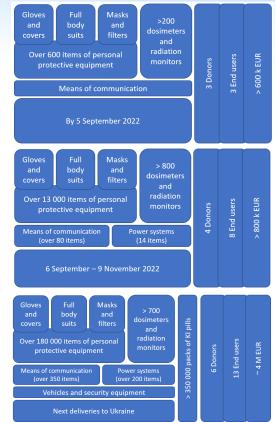
- 29-31 March 2022, SUNPP
- 25-28 April 2022, ChNPP
- 30 May-4 June 2022, ChNPP
- 29 August ongoing, ZNPP (ISAMZ)
- 8-10 November 2022, Kharkiv (KIPT and RADON)
- 22-24 November 2022, ChNPP
- 29 November to 1 December, SUNPP
- 6-8 December, KhNPP
- 6-8 December, RvNPP



Technical Assistance - Delivery of equipment – Status update

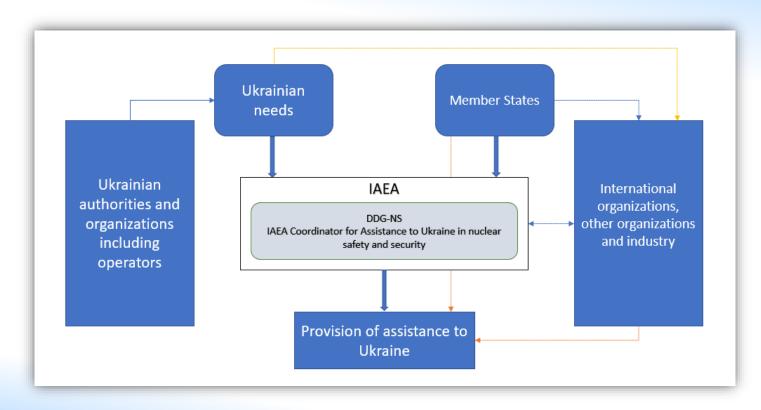
Based on requests from Ukraine

- 12 Member States offered equipment through RANET
- Procurement of nuclear safety and security related equipment in progress
 - With extrabudgetary contributions from a number of Member States
 - Procured equipment is delivered as made available by supplier



IAEA Coordination





IAEA Assistance to Ukraine in Nuclear Safety and Security Current Status



Chornobyl site

- Russian troop presence from 24
 Feb to 31 March 2022
- Challenges:
 - Loss of monitoring systems
 - Inability for regular shift change
 - Temporary loss of power

On-going assessment of specific safety and security issues and associated needs

➤Third mission to the site takes place this week

Zaporizhzhia NPP

- Operated by Ukrainian staff, with Russian representatives present and claiming to have taken operational control
- Continued shelling with impacts on the power supplies, with five total losses of power in the period until early December
- Challenges:
 - Conditions for the staff operating the plant
 - Decision-making process for nuclear safety and security
 - Supply chains and maintenance
 - Security arrangements and emergency arrangements
 - Regulatory activities
- ISAMZ established continued presence to observe and assess the situation and share impartial and objective information
 - > Information is shared regularly through DG's updates

Establishment of Nuclear Safety and Security Protection Zone under discussion

> To prevent a nuclear accident from happening

RNPP, SUNPP, KhNPP

- Recent events had an impact on power supplies
- Missions started to assess the situation and their needs

Technical assistance to Ukraine Accomplishments



- Technical dialogue established and scope of technical assistance agreed
- Assessment done of the current situation and needs in the field of nuclear safety and security in Ukraine
 - Against the Seven Indispensable Pillars for ensuring nuclear safety and security during an armed conflict, outlined in early March
 - Major challenges persist on various technical matters as well as human and organizational aspects
- Needs in area of nuclear safety and security in different sites and facilities identified
- Preliminary environmental sampling and monitoring in the Exclusion Zone and dose assessment performed
- Equipment needed has been delivered to various end users and more deliveries are expected in the coming months

Technical assistance to Ukraine Accomplishments (cont'd)



- Recommendations have been formulated to help re-establish sound nuclear safety and security measures at the ZNPP (documented in the 2nd Summary Report)
 - Call to establish a nuclear safety and security protection zone with ultimate aim to prevent nuclear accident to happen
 - Discussions are continuing with concerned parties to agree on the zone
- A continued presence at the ZNPP established
 - Fourth IAEA team on site
- Technical briefing to various staff and organizations active in Ukraine or neighbouring States on actual situation and how one can prepare should an emergency occur
 - Focus on reducing anxiety and raising awareness on the current situation and on providing information on where and what protective actions can be justified based on international safety standards, while providing public reassurance and ensuring potentially harmful actions are avoided

Technical assistance to Ukraine Next steps



- Continued technical dialogue to ensure nuclear safety and security of nuclear facilities in Ukraine.
- Additional mission(s) to assess different needs in detail.
- Delivery of requested equipment.
- Systematic planning to address the needs and provide technical assistance.
- Continued cooperation with Member States and international organizations to ensure efficient and prompt delivery of assistance without duplication and to secure available funding.



Thank you! Questions?



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