

Annex 2  
to the Agenda for the transfer of  
documentation for the provision of an  
opinion on the environmental impact  
assessment and financial

Date:

(the date of official publication in the Unified  
Register for Environmental Impact  
Assessment (automatically generated by  
software for maintaining the Unified Register  
for Environmental Impact Assessment is not  
specified by the business entity)

Registration number

(registration number of the environmental  
impact assessment case of the planned activity  
(automatically generated by the software for  
maintaining the Unified Register of  
Environmental Impact Assessment, for the  
paper version it is indicated by the business  
entity)

## Message about the planned activity, which is subject to environmental impact assessment

ISC “NNEGC “Energoatom” Joint Stock Company “National Nuclear Energy Generating Company “Energoatom”

(the full name of the legal entity, the code according to EDRPOU or the surname, name and patronymic of an individual - entrepreneur, identification code or series and passport number (for individuals who, due to their religious beliefs, refuse to accept the registration number of the taxpayer's registration card and have officially reported this to the relevant supervisory authority and have a mark in their passport)

informs about the intention to carry out the planned activity and the assessment of its impact on the environment.

1. Entity

3 Nazariivska St., Kyiv-32, 01032

(location of a legal entity or place of business of an individual entrepreneur (postal code, address), contact phone number)

2. Planned activity, its characteristics, technical alternatives.

Planned activity, its characteristic.

The planned activity is the construction of power units 5&6 at the affiliate “SS “KhNPP” using the technical characteristics of the Westinghouse Electric Company AP1000 reactor for further operation and electricity generation. The AP1000 is a proven Generation III+ reactor with passive safety systems, modular standard design, high availability and load monitoring capability licensed by the U.S. Nuclear Regulatory Commission.

Technical alternative 1.

The planned activity is the construction of power units 5&6 with the AP1000 at the Khmelnytskyi NPP site and is performed pursuant to the Order of the Cabinet of Ministers of Ukraine No. 52-r dated 20 January 2023 "On Organizational Measures for the Construction of Khmelnytskyi NPP Power Units" and "Memorandum of Understanding" between SE "NNEGC "Energoatom" and Westinghouse Electric Company signed on 31 August 2021, therefore, the technical alternative is not considered.

Technical alternative 2.

The technical alternative is not considered.

3. The place of planned activity, territorial alternatives.

The place of planned activity

Khmelnytskyi region, Netishyn.

3.1 Territorial communities impact

Khmelnytskyi, Rivne, Zhytomyr, Vinnytsia, Ternopil, Chernivtsi, Ivano-Frankivsk, Volyn, Kyiv.

The place of planned activity, territorial alternative 1.

Rivne region, Varash district, Varash

The EIA considers the possibility to place new AP1000 power units at the Rivne NPP site.

The place of planned activity, territorial alternative 2.

Mykolayiv region, Voznesensky district, Yuzhnoukrain city

The EIA considers the possibility to place new AP1000 power units at the South Ukraine NPP site.

4. Socio-economic impact of the planned activity

The social and economic justification for the planned activity is to strengthen the state energy independence, provide the population and industry with electricity and heat. The project implementation is of national importance and involves a large number of local contractors, which will create new jobs, increase production capacity and economic development of the country. When performing activities, it is planned to spend up to 10 percent of the cost of the power unit construction project on the region social development.

5. General technical characteristics, including the parameters of the planned activity (power, length, area, volume of production, etc.)

Construction of units 5&6 at the Khmelnytskyi NPP site with a unit electric capacity of about 1100 MW and a thermal capacity of 3400 MW. A decision was made to use a Generation III+ AP1000 reactor with passive safety systems licensed by the U.S. Nuclear Regulatory Commission. The AP1000 is a two-loop pressurized water reactor (PWR). The design lifetime is 60 years. The area for the Khmelnytskyi NPP units 5&6 design site is 51.1 hectares, with a construction area of 158.2 thousand m<sup>2</sup>.

6. Environmental and other limitations of the planned activity according to the alternatives:

Regarding technical alternative 1

Due to the fact that the technical alternative is not considered, there are no environmental restrictions.

Regarding technical alternative 2

The technical alternative is not considered.

Regarding territorial alternative 1

Environmental and other restrictions on the planned activities are established pursuant to the legislation of Ukraine in compliance with the maximum permissible levels of anthropogenic impact on the environment, sanitary standards, radiation regulations, etc.

Regarding territorial alternative 2

Similar to the planned activities under territorial alternative 1.

7. Ecological and engineering preparation and protection of the territory according to alternatives are necessary:

Regarding technical alternative 1

Due to the fact that the technical alternative is not considered, there are no necessary environmental and engineering preparation and protection of the territory.

Regarding technical alternative 2

The technical alternative is not considered.

Regarding territorial alternative 1

It is assumed that the construction of power units is performed at the industrial site of the operating NPP, and no urban planning restrictions are required. The design will implement a defence in-depth system that facilitates preserving important to safety system functions and comply with nuclear and radiation safety. The power units will be constructed in compliance with the requirements of environmental legislation. To minimize the adverse environmental impact, the project provides for key technological solutions and protective measures that guarantee environmental protection during construction: - measures to preserve natural resources (conservation and rational use of land, water, energy, fuel resources, reuse of resources); - architectural, construction and planning solutions; - measures to minimize radiation impact on the environment; - measures to minimize non-radiation impact on the environment; - environmental monitoring systems: o radiation situation monitoring system at the NPP site, in the control and supervised areas o atmospheric air surveillance system; o surface and groundwater surveillance systems; o surface water monitoring (thermal impact, radionuclide contamination); o geological processes and soil conditions monitoring system; o surveillance system for the building foundations and structures at the NPP site.

Regarding territorial alternative 2

Similar to the planned activities under territorial alternative 1.

8. Scope, sources and types of possible impact on the environment:

Regarding technical alternative 1

Since the technical alternative is not considered, the scope, sources and types of possible environmental impacts are not available.

Regarding technical alternative 2

The technical alternative is not considered.

Regarding territorial alternative 1

Scope of assessment at the affiliates “SS “Rivne NPP” and “SS “South Ukraine NPP” sites includes:  
- atmospheric air; - water resources (underground, surface); - climate and microclimate; - geological environment; - land resources, soils; - flora and fauna; - nature reserve fund objects.

Regarding territorial alternative 2

Similar to the planned activities under territorial alternative 1.

9. Belonging to the first or second category of activities and objects that may have a significant impact on the environment and are subject to environmental impact assessment (indicate the relevant point and part of Article 3 of the Law of Ukraine "On Environmental Impact Assessment")

First category

2 Thermal power stations Thermal power stations (TPP, CHP) and other installations for production of electricity, vapour and hot water with a heat output of 50 megawatts or more using organic fuel, nuclear power stations and other nuclear reactors including the construction, decommissioning of such power stations or reactors (except research installations for the production and conversion of nuclear fuel and raw materials for producing secondary nuclear fuel, fissionable and fertile materials whose maximum power does not exceed 1 kilowatt continuous thermal load);

10. The existence of grounds for carrying out an assessment of the transboundary impact on the environment (including the presence of a significant negative transboundary impact on the environment and a list of states whose environment may be subject to a significant negative transboundary impact (affected states)

The neighboring countries whose environment may potentially be adversely affected by transboundary impact are Poland, Slovakia, Romania, Hungary, Moldova, Austria. Of all the types of transboundary impact, only radiation can be considered significant. Under normal conditions of construction and operation, the radiation impact on the population and environment of the neighboring countries is predicted to be negligible compared to the existing background impacts. Assessments of the consequences of transboundary radioactivity transfer for the maximum design basis and beyond design basis accidents will be performed using a mesoscale model of atmospheric radionuclide transfer.

11. The planned scope of research and the level of detail of information to be included in the environmental impact assessment report

The planned scope of studies and information detail level to be included in the EIA report is defined in Article 6 of the Law of Ukraine “On Environmental Impact Assessment” No. 2059-VIII dated 23 May 2017.

12. Environmental impact assessment procedure and opportunities for public participation in it

The activity planned by the business entity may have a significant impact on the environment and, therefore, is subject to an environmental impact assessment in accordance with the Law of Ukraine "On Environmental Impact Assessment".

Environmental impact assessment is a procedure that involves:

preparation of an environmental impact assessment report by the business entity;

public discussion of the planned activity;

analysis by the authorized authority of the environmental impact assessment report, any additional information provided by the business entity, as well as information received from the public during

public discussion, during the transboundary impact assessment procedure, other information;

provision by the authorized authority of a reasoned conclusion on the assessment of the impact on the environment, which takes into account the results of the analysis provided for in the fifth paragraph of this clause;

taking into account the conclusion of the environmental impact assessment in the decision on the implementation of the planned activity, specified in paragraph 14 of this notice.

In the conclusion on the assessment of the impact on the environment, the authorized authority, based on the assessment of the impact on the environment of the planned activity, determines the permissibility or justifies the inadmissibility of the implementation of the planned activity and determines the environmental conditions of its implementation.

It is forbidden to start the implementation of the planned activity without assessing the impact on the environment and obtaining a decision on the implementation of the planned activity.

The environmental impact assessment procedure provides for the right and opportunities of the public to participate in such a procedure, in particular at the stage of discussion of the scope of research and the level of detail of information to be included in the environmental impact assessment report, as well as at the stage of consideration by the authorized authority of the submitted by the business entity environmental impact assessment report.

At the stage of public discussion of the environmental impact assessment report for at least 25 working days, the public is given the opportunity to submit any comments and suggestions to the environmental impact assessment report and the planned activity, as well as to participate in public hearings. More details about the procedure for public discussion of the environmental impact assessment report will be announced in the announcement of the start of public discussion.

⚠Temporarily, for the period of validity and within the territory of the quarantine established by the Cabinet of Ministers of Ukraine in order to prevent the spread of acute respiratory disease (COVID-19) caused by the SARS-CoV-2 coronavirus on the territory of Ukraine, until its complete cancellation and within 30 days from the date of cancellation quarantine, public hearings are not held and are not scheduled for dates falling within this period, as stated in the announcement of the start of public discussion of the environmental impact assessment report.

13. Public discussion of the scope of research and the level of detail of information to be included in the environmental impact assessment report

Within 20 working days from the date of publication of this notice on the official website of the authorized authority, the public has the right to provide the authorized authority specified in paragraph 15 of this notice with comments and suggestions on the planned activity, the scope of research and the level of detail of information to be included in the report with environmental impact assessments.

When submitting such comments and suggestions, indicate the registration number of the environmental impact assessment case of the planned activity in the Unified Environmental Impact Assessment Register (listed on the first page of this notice). This will greatly simplify the process of registration and consideration of your comments and suggestions.

If such public comments and suggestions are received, they will be placed in the Unified Register of Environmental Impact Assessment and transferred to the business entity (within three working days from the day of their receipt). Persons providing comments and suggestions certify their consent to the processing of their personal data with their signature. During the preparation of the environmental impact assessment report, the business entity is obliged to fully take into account, partially take into

account or reasonably reject the comments and suggestions of the public, provided in the process of public discussion of the scope of research and the level of detail of information to be included in the environmental impact assessment report the environment Detailed information on this is included in the environmental impact assessment report.

#### 14. Decision on implementation of the planned activity

In accordance with the legislation, the decision on the implementation of this planned activity will be

#### The Law of Ukraine

(type of decision in accordance with the first part of Article 11 of the Law of Ukraine "On Environmental Impact Assessment")

which appears The Verkhovna Rada of Ukraine

(authority whose powers include making such a decision)

15. All comments and suggestions from the public regarding the planned activity, the scope of research and the level of detail of information to be included in the environmental impact assessment report must be sent to

The Ministry of Environmental Protection and Natural Resources of Ukraine, Ecological Assessment and Control Department, 35 Metropolit Vasyl Lypkivskoho Str., Kyiv, 03035, 03035, м. Київ, вул. Митрополита Василя Липківського, 35, OVD@mepr.gov.ua, (044) 206-31-40, (044) 206-31-50, Olena Anatoliivna Hrytsak, Deputy Director of the Ecological Assessment Department, Head of the Environmental Impact Assessment Section.

(name of the authorized authority, postal address, e-mail address, telephone number and contact person)

*{Appendix 2 with changes introduced in accordance with Resolution of the CM No. 824 dated 09/14/2020}*