



**GENERAL DIRECTOR FOR
ENVIRONMENTAL
PROTECTION**

Warsaw, 3 of September 2014

Michał Kietsznia

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**Mr. Andrii Mokhnyk
Minister of Ecology and Natural
Resources of Ukraine**

Thank you for your letter sent via diplomatic channels on 18.07.2014 containing additional explanations concerning postulates reported by the Polish party during consultations in Kiev. The postulates concerned the following matters:

1. Submission of **detailed evaluations of environmental impact of Khmelnytska Nuclear Power Plant included in the environmental impact report after its complementation with transboundary consultations results.**
2. Submission of **analyses results justifying the selection of the Design Basis Accident (DBA) and Beyond Design Basis Accident (BDBA) scenarios, supported by the Probabilistic Safety Assessment (PSA) as the representative scenarios for the purposes of emergency planning.**
3. Submission of **safety analyses showing the ability to contain melted core inside the reactor vessel and to maintain integrity of the containment during and after severe accident (related to core meltdown).**
4. Submission of **deterministic analyses results of the impact of a collision with a big passenger plain (of weight ca. 400 t), in particular of the collision with the containment of the nuclear reactor and other nuclear power plant facilities that are important for the nuclear safety and radiological protection, and in case such analyses are not relevant - submission of justification of such a standpoint.**

5. Execution and presentation of analyses results concerning simultaneous failure of more than one power unit together with environmental impact assessment of such impact, including transboundary context.
6. Passing the list of facilities existing and the use of which is expected (including auxiliary ones) for each of the power units 3 and 4, including the following information for each facility:
 - a. The percentage of construction readiness
 - b. The material strength parameters determined during experiments and analyses conducted (such as: shear strength, compressive strength, vibration resistance)
 - c. Relation of the parameters listed in point B) to the parameters assumed during the design stage
 - d. Detailed description of conducted and planned repair and renovation works concerning particular elements.
7. Another analyses of the dispersion of radionuclides from emergency releases at altitudes 30m and 100m using meteorological conditions at the boundary of Poland indicated by the Polish party and in keeping with the conservative meteorological conditions in Ukraine; and provision of the analyses results.
8. Submission of the existing off-site emergency plans for Khmelnytska Nuclear Power Plant units 1 and 2 and power units 3 and 4 at the time these plans are developed, in accordance with the commitment made by the Ukrainian party; and the provision of the legal regulations concerning the content of emergency plans, so that it is possible to take emergency actions.

With reference to postulate 2, on the web site SE NNEGSC „Energoatom” link provided in the explanations was not found (access on 05.08.2014). In turn, the document at the link http://www.energoatom.kiev.ua/files/file/teo_eng.pdf „Information and analytical survey of the materials «KHMELNYSTKA NPP. FEASIBILITY STUDY OF POWER UNITS 3, 4 CONSTRUCTIONS»” does not contain justification of the selection of the representative MDBA and BDBA scenarios.

With reference to postulate 3, the Polish party accepts that data will be available at the stage of developing technical project and awaits its transfer.

With reference to 4, no deterministic analyses results concerning the impact of the collision with big passenger airplane were presented. There is also no justification concerning the missing results that might be supported with analyses.

With reference to postulate 5 and provided explanations, it must be underlined that the Polish party does not ask for performing the probability assessment of simultaneous failure of more than one power unit, but for information whether such event was or will be considered while designing nuclear power plant and emergency planning. The requirement for such analyses results from the reviewed safety standards MAEA adopted in 2014 by all committees for safety standards MAEA.

With reference to postulate 6, on the web site SE NNEGC „Energoatom” at the address <http://www.energoatom.kiev.ua/ru/actvts/stroitelstvo/buildon/public/37> information concerning potential usage of the existing construction elements was obtained. In the part 9 - Основные архитектурно-строительные решения, there is a description of a series of analyses and models, including the ones that concern foundations. The documentation contains also the stipulations concerning adopted classifications related to the construction and equipment elements. The Polish party does not report any other remarks concerning the information included in the above documents.

With reference to postulate 7, there are no analyses based on meteorological data sent by the Polish part, declared during consultations in Kiev.

With reference to postulate 8, on the web site of the Ukrainian nuclear supervision (SNRC) there was no document concerning emergency plans, provided for in the explanations of the Ukrainian party (access on 05.08.2014).

I would like to emphasize that only the explanations concerning postulate No 6 can be found sufficient. The Polish party did not receive analyses results and other documents, transfer of which was declared by the Ukrainian party during consultations in Kiev in case of the other postulates.

You informed us that the Environmental Impact Assessment (EIA) documentation will be complemented by issues raised within the scope of the transboundary consultations by experts and society at the stage of developing the technical project (**postulate 1**). In relation to this explanation, the Polish party asks for information within the scope of which procedure and when the complemented documentation of environmental impact assessment will be presented. I also ask for information what is the course of the whole investment process for the undertaking in question.

In the face of the above, the Polish Party sustains its position that until the declared documents are transferred, the process of transboundary consultations is found to be uncompleted.

I also ask for transfer of the referenced documents in hardcopy or electronic form, without the need for their search on the web sites.

At the same time, I would like to thank for the invitation to Kiev to the talks with representatives of SE NNEG „Energoatom”, research institutes and national bodies. I think that having received and gotten acquainted with the documents, applied for in Kiev, there will be an opportunity to exchange information and discuss the matter of concern.

Stamp with the following content: “General Director for Environmental Protection Michał Kielsznia” – illegible signature

Cc:

Mr. Piotr Otawski, Deputy Minister of Environment
Mr. Janusz Włodarski, President of the National Atomic Energy Agency
Mr. Roman Smółka, Manager of the National Geological Institute - National Research Institute
Mr. Konrad Pawlik, Director of the Eastern Department in the Foreign Affairs Ministry
Mrs. Beata Siewicz, Regional Director for Environmental Protection in Lublin
Mr. Lech Kotkowski, Regional Director for Environmental Protection in Rzeszów