

*The format for notification to an affected Party of a proposed activity under article 3 of the Convention was adopted by the Meeting of the Parties to the Convention on Environmental Impact Assessment in a Transboundary Context by **Decision I/4** at its first meeting held in Oslo from 18 to 20 May 1998.*

This document contains excerpt from Annex to Decision I/4 (Table 1) and can only be used in conjunction with the full text of Decision I/4 and not as a stand-alone document.

**Notification to an affected Party of a proposed activity
under article 3 of the Convention**

| 1. INFORMATION ON THE PROPOSED ACTIVITY | |
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| (i) Information on the nature of the proposed activity | |
| Type of activity proposed | Construction of a new power plant unit at “Kozloduy” nuclear power plant |
| Is the proposed activity listed in appendix I to the Convention? | Yes |
| Scope of proposed activity (e.g. main activity and any/all peripheral activities requiring assessment) | <p>Main Activity: Construction of a latest generation nuclear power plant unit (NPP “Kozloduy” “8-th Block”), as well as its commissioning and operation.</p> <p>Peripheral activities: The new power plant unit will be integrated within the existing infrastructure and system of activities on the NPP “Kozloduy” operational site.</p> |
| Scale of proposed activity (e.g. size, production capacity) | The proposed activity comprises of construction, commissioning and operation of one nuclear power plant unit of approximately 1200 MWe. |
| Description of proposed activity (e.g. technology used) | <p>The proposed power plant unit is of latest generation and will be constructed in accordance with the Bulgarian legislation in the area of nuclear energy, the safety requirements of the International Atomic Energy Agency (IAEA), the requirements of the Western European Nuclear Regulators’ Association (WENRA) as well as the European Utility Requirements for LWR Nuclear Power Plants.</p> <p>The technology used includes Pressurised Water Reactor (PWR) operating on a lightly enriched uranium (uranium dioxide) and light water as a moderator and heat carrier.</p> <p>The primary circuit with circulating radioactive medium consists of energy reactor, circulation rings and pressure compensator. The secondary circuit with non-radioactive medium consists of steam producing unit, turbine and subsidiary equipment. The third circuit consists of the final absorbent of heat – the technical and circulation water supply of the unit based on the water</p> |

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| | from the Danube River and the heat supply unit (for own and domestic needs). |
| Description of purpose of proposed activity | The purpose of the activity is improvement of the energy balance of the country by constructing and making operational a new NPP unit. |
| Rationale for proposed activity (e.g. socio-economic basis, physical geographic basis) | The construction of a new nuclear power plant unit will lead to a number of positive effects for the strategic development of the Bulgarian energetics and economy as well as the achievement of the aims of the European Union for transition to low carbon emissions energetics. The specific emission characteristics of the production of electrical energy through nuclear power plants is very favorable for achieving the aims stated above. |
| Additional information/comments | |
| (ii) Information on the spatial and temporal boundaries of the proposed activity | |
| Location | The site of the activity is located approximately 200 km north of Sofia - the capital city of Bulgaria and 5 km east of the town of Kozloduy situated at the Danube River coast. |
| Description of the location (e.g. physical-geographic characteristics, socio-economic characteristics) | At the site of the existing NPP "Kozloduy" 6 nuclear power units are currently planted with a combined power output of 3760 MWe. 4 of these units are not operational. The site is connected with the national road network but is not connected with the national railway network. The NPP "Kozloduy" has its own port on the Danube River. The Kozloduy site has a plain type of terrain with an average altitude of around 35 meters. Within 30 km around the site there are no big industrial objects. There is an operational object of the national transit gas infrastructure. |
| Rationale for location of proposed activity (e.g. socio-economic basis, physical-geographic basis) | The chosen location is very suitable for the proposed activity due to its long term and successful exploitation for operation of nuclear power units' type PWR (since 1974). In the process of construction and exploitation of the new power unit all the available capacity of NPP "Kozloduy" can be used including the existing infrastructure and the experienced and highly qualified personnel. |
| Time frame for proposed activity | The expected duration of the EIA procedure is 24 months including the transboundary EIA procedure as well as the final decision of the |

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| (e.g. start and duration of construction and operation) | minister of the environmental protection (any further legal procedures not included). Additional details on the duration of construction and operation will be available on a later stage of the process. The exploitation resource of the new unit is estimated to be no less than 60 years. |
| Maps and other pictorial documents connected with the information on the proposed activity | A geographic map with the location of the site of the new nuclear power plant unit is enclosed. |
| Additional information/comments | |
| (iii) Information on expected environmental impacts and proposed mitigation measures | |
| Scope of assessment (e.g. consideration of: cumulative impacts, evaluation of alternatives, sustainable development issues, impact of peripheral activities) | In the EIA report a full assessment of the possible impact of the proposed activity will be conducted. The report will consider the possible impact on air, water, climate, soil, human health, etc. There will be an estimation of the potential of different alternatives of the location of the proposed NPP unit including a zero alternative. The possible transboundary impact also will be assessed as well as the cumulative impact of all nuclear facilities in site. The EIA report will be made in accordance with the Bulgarian environmental protection act which introduces the requirements of the relevant EU legislation (the EU's Environmental Impact Assessment (EIA) Directive (2011/92/EU)) as well as The Convention on Environmental Impact Assessment in Transboundary Context and Decision IX/4h of the 9 th session of The Meeting of the Parties to the Convention. |
| Expected environmental impacts of proposed activity (e.g. types, locations, magnitudes) | The most recognizable impacts of the proposed activity that would be a major consideration in the EIA report are the radiation and non-radiation impacts on air, water, soils and human health. Within the normal operational boundaries of the nuclear facility is the disposition of waste waters (in the sewage system and the Danube River) regarding the legally set boundaries for pollution with accent on thermal and radiation pollution. The possible impact on air would be the controlled discharges of radioactive nuclids and aerosols into the atmosphere. In normal operational mode of the power unit an impact on soils is not expected. In emergency situations impact on soils would be formed by radioactive nuclids, fuels, oils, other chemicals, etc. |

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| | <p>During the construction a moderate level of noise and vibrations are expected due to the machinery used.</p> <p>Potential sources of pollution for the aquatic and terrestrial ecosystems would be accumulation from spills of fuels and chemicals (in emergency cases) as well as radiological impacts from the different types of radiation (radioactive and non-radioactive) due to the normal operation and RAW management.</p> <p>All potential impacts of air, water, soils, different ecosystems, human health, etc. will be estimated in the EIA report.</p> |
| <p>Inputs (e.g. raw material, power sources)</p> | <p>In the process of construction of the power unit inert materials and water (for sanitary and industrial needs) will be used. The Danube River will be primarily used as a water source for operation.</p> <p>During the construction phase will be used fuel for the transport and construction machines, as well as oils, paints and varnish (in small quantities).</p> <p>During the normal exploitation process of the power unit and the supporting infrastructure a different type of chemical reagents will be used including resins, fuels, oils, paints, etc. The more important substances will be boric acid, nitric acid, sulfuric acid, hydrochloric acid, ammonia, etc.</p> |
| <p>Outputs (e.g. amounts and types of: emissions into the atmosphere, discharges into the water system, solid waste)</p> | <p>The wastewater will be disposed through the existing hydrotechnical facilities and the sewage system of NPP "Kozloduy". The faecal waste waters are expected to be 6,30 l/s and 150 m³ /d. The industrial waste waters are expected to form as acid or alkaline waste waters which can include petrol and oil traces. The maximum quantity expected is 100 m³/h.</p> <p>The liquid radioactive emissions (in normal operational mode) will be controlled and will be disposed (if they don't exceed the legally established norms for pollution) with disbalanced waters in the purification facility complex. The liquid radioactive wastes are expected to be Category 2 – low and medium radioactive. The liquid radioactive wastes will be collected, processed and temporarily stored in</p> |

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| | <p>reservoirs until they are sent to the State Enterprise “Radioactive Wastes” (SERAW).</p> <p>The hard radioactive wastes will be generated by the daily exploitation of the power unit. It is expected the power unit to generate approximately 1 m³ of RAW (Category 2-III), 150 m³ of Category 2-I and 2-II that cannot be pressed as well as maximum of 10 t/y waste that can be pressed. All of these types of RAW will be sent to SERAW.</p> <p>The expected emissions of radioactive noble gases, long-life aerosols and halogen elements in the atmosphere will be within the legally established norms and the technological regulations of the power units.</p> <p>The non-radioactive wastes that can be utilized will be collected on a specific locations at the activity site and will be additionally treated (recycled) afterwards. The non-utilizable non-radioactive wastes will be neutralize at a depo owned by NPP “Kozloduy” or a waste facility part of the national system.</p> <p>The impact of the outputs on the environment, human health and the transboundary context of the proposed activity will be thoroughly assessed in the EIA report.</p> |
| <p>Transboundary impacts (e.g. types, locations, magnitudes)</p> | <p>No significant adverse transboundary impact is expected during the normal operational mode of the proposed activity.</p> |
| <p>Proposed mitigation measures (e.g. if known, mitigation measures to prevent, eliminate, minimize, compensate for environmental effects)</p> | <p>The facilities will operate under highly reliable security and emergency systems in compliance with the newest requirements of IAEA.</p> |
| <p>Additional information/comments</p> | |
| <p>(iv) Proponent/developer</p> | |
| <p>Name, address, telephone and fax numbers</p> | <p>Petyo Ivanov Executive Director “Kozloduy NPP – New Builds” PLC Republic of Bulgaria, Vratza, Kozloduy Municipality, Kozloduy 3320,1A Panayot Hitov Str. Tel.: 0973 7 21 04</p> |

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| | Fax: 0973 7 24 22 e-mail: newbuild@npp-nb.bg |
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| (v) EIA documentation | |
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| Is the EIA documentation (e.g. EIA report or EIS) included in the notification? | No |
| If the answer to the above is no or partially, description of additional documentation to be forwarded and (approximate) date(s) when documentation will be available | ToR for EIA will be available approximately by the beginning of 2025. EIA report will be available approximately by the end of 2025. |
| Additional information/comments | |

2. POINTS OF CONTACT

(i) Points of contact for the possible affected Party or Parties

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| Authority responsible for coordinating activities relating to the EIA (refer to decision I/3, appendix) - Name, address, telephone and fax numbers | <p>Rep. of Austria:</p> <p>Ms. Waltraud PETEK Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology Directorate V/11 Stubenbastei 5 A-1010 VIENNA Telephone: +43 1 71100-612123 Fax: +43 1 71100-617122 E-mail: Waltraud.Petek@bmnt.gv.at</p> <p>Ms. Ursula PLATZER-SCHNEIDER Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology Directorate V/11 Stubenbastei 5 A-1010 Vienna Telephone: +43 1 71100-612115 E-mail: ursula.platzer@bmk.gv.at</p> <p>Rep. of Greece:</p> <p>Ministry of Foreign Affairs</p> |
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| <p>List of affected Parties to which notification is being sent</p> | <p>Notification will be sent to the following affected parties: Rep. of Romania, Rep. of Serbia, Rep. of North Macedonia, Rep. of Austria, Rep. of Greece.</p> <p>Rep. of Bulgaria will make an inquiry to the other parties applying the Convention by a notification letter. Parties that express will for participation will be included in the transboundary aspect of the EIA process.</p> |
| <p>(ii) Points of contact for the Party of origin</p> | |

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| <p>Authority responsible for coordinating activities relating to the EIA (refer to decision I/3, appendix)</p> <p>- Name, address, telephone and fax numbers</p> | <p>Ministry of Environment and Water 22 Maria-Luisa Blvd. 1000 SOFIA Telephone: + 359 2 988 25 77 E-mails: edno_gishe@moew.government.bg</p> |
| <p>Decision-making authority if different than authority responsible for coordinating activities relating to the EIA</p> <p>- Name, address, telephone and fax numbers</p> | <p>The decision – making authority is the same as the authority responsible for coordinating activities relating to the EIA – The Ministry of Environment and Water.</p> |
| <p>3. INFORMATION ON THE EIA PROCESS IN THE COUNTRY WHERE THE PROPOSED ACTIVITY IS LOCATED</p> | |
| <p>(i) Information on the EIA process that will be applied to the proposed activity</p> | |
| <p>Time schedule</p> | <p>The EIA procedure has the following schedule:</p> <ol style="list-style-type: none"> 1. Notification of the competent authorities and the affected population – at the earliest stage possible. 2. Preliminary consultations for the Terms of reference of the scope of the EIA report. 3. Terms of reference of the scope of the EIA report and consultations. 4. Process of EIA report development and consultations. 5. Organisation and conduction of a public consultations and hearing of the EIA report. 6. EIA decision of the Ministry of Environment and Water. <p>At every stage the transboundary affected parties willing to be engaged in the procedure will be given the opportunity to participate, comment and to access the information needed for their own public.</p> <p>The process above is estimated to continue approximately 24 months.</p> |
| <p>Opportunities for the affected Party or Parties to be involved in the EIA process</p> | <p>According to the Bulgarian Environmental Protection Act the Minister of the environment and water notifies the affected Parties at the earliest possible opportunity but no later than the population affected. If the affected Party expresses a will of participation in the procedure the information of the possible transboundary</p> |

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| | effects as well as information of the character of the final decision is sent. |
| Opportunities for the affected Party or Parties to review and comment on the notification and the EIA documentation | If an affected Party expresses a will to participate in the transboundary procedure consultations are conducted to determine the process that will be followed and the time schedule. Additionally, the EIA report should have a special focus on the transboundary effects of the proposed activity. After the EIA report is made a copy with included additional information is provided to the affected Party. The latter is given the opportunity for additional consultations on the topics of the transboundary effects, proposed mitigation measures, possible alternatives and other topics of mutual importance. The documentation following these consultations is presented to the Party of origin for further consideration. Then a public hearing is conducted with the possibility for the affected Party to participate. The summarized results of all consultations and hearings are presented back to the affected Party and considered within the procedure. The final decision about the EIA report is also presented to the affected Party. |
| Nature and timing of the possible decision | The decision expected is the approval of the proposed activity. The approval is the final step of the EIA procedure therefore the estimated timing is within 24 months of the beginning of the process. |
| Process for approval of the proposed activity | The approval of the proposed activity requires completeness of the approval procedures in the Bulgarian Environmental Protection Act, The Spatial Planning Act, Energy Act, Act of Safe Use of Atomic Energy. |
| Additional information/comments | |
| 4. INFORMATION ON THE PUBLIC PARTICIPATION PROCESS IN THE COUNTRY OF ORIGIN | |
| Public participation procedures | According to the Bulgarian Environmental Protection Act public participation is assured on every stage of the procedure mentioned in Article 3i of this notification. |
| Expected start and duration of public consultation | The start of the public consultation process begins with the first notification according to the Environmental Protection Act which is made available for public access. The public hearings as a separate stage of the EIA report proceed for 2 months. |
| Additional information/comments | |

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| 5. DEADLINE FOR RESPONSE | |
| Date | 4 weeks after receiving the notification |