NOTIFICATION TO AN AFFECTED PARTY OF THE PROPOSED ACTIVITY, UNDER ARTICLE 3 OF THE CONVENTION

1. INFORMATION ON THE PROPOSED ACTIVITY	
i) Information on the nature of the proposed activity	
Type of the activity proposed	Construction of a plant for production of nuclear fuel for the VVER-1000 type reactors.
Is the proposed activity listed in Appendix I to the Convention?	Yes.
Scope of the proposed activity (e.g. main activities and any/all peripheral activities requiring assessment)	According to the "Energy strategy of Ukraine until 2030" currently in force, with the view of increasing the energy safety of the country, construction of a nuclear fuel production plant has been provided for. Realization of this task was defined in the "Nuclear fuel of Ukraine" State task economic program (hereinafter referred to as the Program) approved by the Decree of the Government of Ukraine of 23.09.09 No. 1004. The Program for organization of production of nuclear fuel and construction of a plant provides for: - selection of a partner having the technology of production of nuclear fuel for the VVER-1000 type reactors, - agreeing upon the conditions of transfer of the said technology to Ukraine (beginning from conversion of uranium hexafluoride into uranium dioxide powder and up to manufacturing of the fuel assemblies).
Scale of proposed activity (e.g. size, production capacity, and etc.)	The plant will produce fuel assemblies (FA) for the VVER-1000 type reactors, with enrichment by U-235 up to 5 %. The NFPP rated capacity provides for manufacturing of 800 FA per annum. The source material for FA production is: - for the I stage – UDO fuel pellets; - for the period of full production deployment (with introduction of the II stage) – enriched uranium hexafluoride with enrichment by the U-235 isotope up to 5 % (mass).
Description of proposed activity (e.g. technology used)	Nuclear fuel production includes technological processes of conversion of uranium hexafluoride into uranium dioxide (UDO), manufacturing of fuel pellets, manufacturing of component elements from a zirconium alloy and stainless steel, fitting out fuel elements (FE) and manufacturing of fuel assemblies (FA) Construction and commissioning of the NFPP according to the FS (feasibility study) will be performed in stages: I stage of construction (commissioning – end of 2015) includes: - manufacturing of the fuel elements (FE); - manufacturing of the fuel assemblies (FA); - manufacturing of the component parts from stainless steel; - manufacturing of the component parts from zirconium; - treatment of liquid and solid radioactive waste; - plant infrastructure. II stage of construction (commissioning – 2020) includes: - manufacturing of the UDO powder; - manufacturing of the fuel pellets; - additional plant infrastructure.
Description of a purpose of the proposed activity	Providing nuclear power plants of Ukraine using reactor facilities of the VVER-1000 type with nuclear fuel.
Rationale for the proposed activities (e.g. social-economic, physical geographic basis)	According to the "Energy strategy of Ukraine until 2030" currently in force, with the view of increasing the energy safety of the country, construction of a nuclear fuel production plant has been provided for. Realization of this task was defined in the "Nuclear fuel of Ukraine" State task economic program (hereinafter referred to as the Program) approved by the Decree of the Government of Ukraine of 23.09.09 No. 1004.
Additional information/comments	Additional information provided in the following document: "Nuclear fuel production plant. Assessment of environmental impact. Assessment of transborder impact (ATI)"

<table>
<tr><td>ii) Information on the spatial and temporal boundaries of the proposed activity</td><td></td></tr>
<tr><td>Location:</td><td>The nuclear fuel production plant site is situated 2.5 km south-west of the Smolino urban settlement in the Malovyskovsky region of the Kirovograd Oblast of Ukraine. The distance from the Smolino urban settlement to the oblast center Kirovograd makes 72 km, to the region centre Malaya Viska – 25 km. The distance from the plant to the nearest populated areas, the Berezovka and Novopavlovka villages, makes approximately 2,1 km. In the physical and geographical respect, the region of location of the plant designed belongs to the Central part of Ukraine in the interfluves of Dnepr and South Bug, in the southern part of the Transdnepr upland.</td></tr>
<tr><td>Description of the location (e.g. physical-geographic, socio-economical characteristics)</td><td>The area of location of the Nuclear fuel production plant considered is in the central part of Ukraine, in the interfluves of Dnepr and South Bug, in the southern part of the Transdnepr upland. The analysis territory within the radius of 5 km around the Smolinsky mine is at the 48˚38'02,37" n.lat. (north), 48˚32'15,17" n.lat. (south), 31˚20'46,36" e.long. (east) and 31˚12'38,36" e.long. (west).
The territory of location of the project belongs to the flat East-European landscapes. The Bolshaya Vys river is the main watercourse in the region. Its left tributary, the Kilten river, traverses the Smolino urban settlement. The distance from the Kilten river to the NFPP site is 3 km.
Practically all the territory is used for agricultural production.
On the whole, the climate in the region is moderately continental with mild winter and warm (often hot) summer. The average annual air temperature is 8,0 °C, it is lowest in January (minus 5,7 °C), highest in June (20,0 °C).
On the average, 499 mm of atmospheric precipitation falls in the Smolino urban settlement per annum,
The distances from the NFPP to the nearest borders with the neighboring countries are:
<table>
<tr><th>Neighboring country</th><th>Direction to the nearest border</th><th>Nearest frontier populated area</th><th>Distance from the NFPP to the nearest border</th></tr>
<tr><td>Belarus</td><td>N</td><td>Nizhniye Zhary</td><td>300 km</td></tr>
<tr><td>Poland</td><td>NNW</td><td>Dluzhnuv</td><td>559 km</td></tr>
<tr><td>Slovakia</td><td>WW</td><td>Novaya Sedlitsa</td><td>637 km</td></tr>
<tr><td>Hungary</td><td>W</td><td>Tisobeg</td><td>620 km</td></tr>
<tr><td>Rumania</td><td>SW</td><td>Romanesht</td><td>307 km</td></tr>
<tr><td>Moldova</td><td>SWW</td><td>Broshten</td><td>166 km</td></tr>
<tr><td>Russia</td><td>SE</td><td>Grayvoron</td><td>368 km</td></tr>
</table></td></tr>
<tr><td>Rationale for location of the proposed activity (e.g. socio-economic, physical-geographic basis)</td><td>In compliance with the requirements of the national legislation concerning the sphere of using the nuclear power, work was performed on selection of the construction site for the NFPP. The task team specially created considered three possible sites for deployment of the Plant, namely:
- Kirovograd oblast (Smolino urban settlement);
- Dnepropetrovsk oblast (Zheltye Vody);
- Kiev oblast (Slavutych).
The sites proposed were considered for compliance with the requirements of the “Criteria and requirements to a production complex deployment site” document agreed by the State nuclear regulation inspection of Ukraine.
The commission on selection of the site for deployment of the nuclear fuel production plant in Ukraine acknowledged that the site in the area of the Smolino urban settlement of the Malovyskovsky region of the Kirovograd Oblast complies with the criteria and requirements established for deployment of the Plant. The construction site was approved by the decree of the Cabinet of Ministers of Ukraine of 27.06.2012.</td></tr>
<tr><td>Time-frame for the proposed activity (e.g. start and duration construction and operation)</td><td>Construction and commissioning of the NFPP according to the FS will be performed in following stages:
I stage of construction (commissioning – end of 2015) includes:
- manufacturing of the fuel elements (FE);
- manufacturing of the fuel assemblies (FA);
- manufacturing of the component parts from stainless steel;
- manufacturing of the component parts from zirconium;
- treatment of liquid and solid radioactive waste;
- plant infrastructure.
II stage of construction (commissioning – 2020) includes:
- manufacturing of the UDO powder;
- manufacturing of the fuel pellets;
- additional plant infrastructure.
In-service time of the nuclear fuel production plant is 50 years.</td></tr>
</table>

Maps and other pictorial documents connected with the information on the proposed activity	Maps and other geographical documents are considered in the OTV.
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, impacts of peripheral activities, and etc.)	• climate and microclimate; • geological environments; • air medium; • soils: • flora and fauna; • social environment; • man-made environment.
Expected environmental impact of the proposed activity (e.g. types, locations, magnitudes)	Under normal operating conditions - within the NPP site boundary. During accidents - within the NPP site boundary
Inputs (e.g. raw materials, power sources, and etc.)	Source materials for production of the FA are: - for the I stage – uranium dioxide (UO_2) fuel pellets of ceramic density; - for the period of complete production deployment (with introduction of the II stage) – enriched uranium hexafluoride (UF_6) with enrichment by the U-235 isotope up to 5 %.
Outputs/effects (e.g. amounts and types of: emission into the atmosphere, discharges into the water system, solid waste)	• on climate and microclimate - are expected to be negligible; • on geological environments - are not subject to forecasting; • on air medium: - during construction - are not subject to forecasting; - for normal operating condition, additional radiation impact is expected to be negligible, - during accidents - without exceeding the imposed standard limits; • on soils: - during construction - not expected; - during operation, additional radiation impact does not result in any significant burdens as compared with the existing condition; • on flora and fauna - not expected; • on social environment - radiation impact is assumed to be significantly lower than the levels required by national standards; • on the man-made environment - not expected.
Transborder impact (e.g. types, locations and magnitudes)	Among all types of transborder impacts, only the radiation impact can be considered to be of some significance. Under normal conditions of construction and operation the radiation impact on the public and environment of neighboring states is expected to be negligible as compared with effects from existing background. Assessment of effects of transborder radioactivity transport considered for the cases of a maxim allowable design-basis accident and beyond design-basis accident, with using a meso-grid model of atmospheric transport, have shown that in case of any accident under consideration, the limit of annual personal effective dose to the reference team's members will not be exceeded in neighboring states.
Proposed mitigation measures (e.g. if known, any mitigation measures to prevent, eliminate, minimize and compensate for ecological effects)	They are provided for in the design decisions covering normal operating conditions. In case of accidents they are implemented in accordance with the Emergency response programs.
Additional information/comments	No
iv) Proponent/Developer	
Title, address, phone/fax numbers	Private joint-stock company “Nuclear fuel production plant” Kazakova St. 7A, Smolino urban settlement, Malovyskovsky region, Kirovograd Oblast, Ukraine, phone/fax +380443900328

v) EIA documentation **документация по ОВОС**	
Is the EIA documentation (e.g. EIA report or EIS) included in the notification?	The EIA documentation will be included in the notification
If no/partial, description of additional documentation to be forwarded and (approximate) date(s) when this documentation will be available	In addition to the EIA, tome 8.3 “Assessment of environmental impact. Assessment of transborder impact. OPYaT-00-000-000-00-OVOS.TG-PZ” was developed within the scope of the design estimates for construction of the nuclear fuel production plant.
Additional information/comments	No
2. **POINTS OF CONTACT**	
i) Points **of contact** for **the potentially affected Party or Parties**	
Authority responsible for coordinating the EIA-related activities (refer to decision 1/9, Annex) - name, address, phone and fax numbers	
List of Affected Parties to which the notification is being sent	The Republic of Belarus, the Republic of Poland, the Republic of Moldova, the Russian Federation, Romania, the Slovak Republic, the Republic of Hungary, Austria
ii) Points **of Contact for the Party of origin** **Точки контакта по Стороны происхождения**	
Authority responsible for coordinating the lEA-related activities (refer to decision 1/9, annex) -name, address, phone and fax numbers	Private joint-stock company “Nuclear fuel production plant” Legal address: 56223, Kazakova St. 7A, Smolino urban settlement, Malovyskovsky region, Kirovograd Oblast, Ukraine Kyiv office: : 03056, Polevaya St. 24, Kyiv, Ukraine Tkachenko Yuriy Valerievych, Deputy Director, phone/fax +380443900328 Polyakova Iryna Alexandrovna, Head of Department, phone/fax +380443900328
Decision-making authority, if different from the one responsible for coordinating the EIA-related activities - name, address, numbers of phones and faxes	Ministry of Fuel and Energy of Ukraine, Department of Nuclear Power and Atomic Industry. 30 Khreshchatyk Street, Kyiv 01001, Kyiv, UKRAINE ; phone/fax +380 44 206 36 02
3. IFORMATION ON EIA PROCESS IN THE COUNTRY WHERE THE PROPOSED ACTIVITY IS LOCATED	
I) Information on the CIA process **that will be applied for the proposed activity**	
Time schedule	
Opportunities for the affected Party or Parties to be involved in the EIA process	
Opportunities for the affected Party or Parties to review and comment on the notification and the EIA documentation	Yes, such opportunities are available.
Nature and timing of the possible decision	Materials, which prove public interests have been taken into account, including summarized decisions on the public suggestions partially taken into account and rationale for their part, which has not been taken into account, are an integral element of a final EIA report that, as a part of the design documentation, is submitted by the Customer or Chief Designer for approval and the state expert evaluation. Depending on the Chief designer's and Customer's decision, IEA materials are adjusted with taking account of the results of public hearings. The rationale for one or another decision not being taken into account will be, if necessary, presented to the public's members concerned.

Process for approval of the proposed activity	Deployment of the construction site, basic engineering-and-economical performance data of the plant and its construction stages were approved by the decree of the Cabinet of Ministers of Ukraine of 27.06.2012 No. 437-p. The project is submitted for approval to the CMU after obtaining the positive conclusion from the SE «Ukrderzhbudekspertiza».
Additional information/comments	No
4. **INFORMATION ON THE PUBLIC PARTICIPATION PROCESS IN THE COUNTRY OF ORIGIN**	
Public participation procedures	In compliance with the statutory requirement in the sphere of the use of nuclear power, on 29 October 2011, according to the decision of the Smolino settlement council executive committee of 19.09.2011 No. 1161 and with the support of the local government of the region and the Kirovograd oblast state administration, public participation procedures were performed in the Smolino urban settlement in respect of construction of the plant. By the results of the procedures, the settlement community took a unanimous decision on approving construction of the nuclear fuel production plant on the territory of the Smolino urban settlement of the Malovyskovsky region of the Kirovograd Oblast.
Expected start and duration of public consultation	Performed
Additional Information/comments	No
5. **DEADLINE FOR RESPONSE**	
Date	30 day after receiving the notification by the affected party, not later than 05.03.2014