



DECOMMISSIONING OF NUCLEAR POWER PLANTS

Problems and solutions for sustainable development of the regions of decommissionings,
managements of spent nuclear fuel and radioactive waste
International Round Table Discussion
Norway, 4-7 June 2015

JUSTIFICATION:

In 2018 is planned the final halting and decommissioning of the world's oldest RBMK-1000 at the Leningrad Nuclear Power Plant (LNPP). At the Kola NPP, there is the oldest of the existing Russian VVER-440 - the same age as LNPP. North West Russia is the first of Russian federal region that will have to solve complex technological, social, economic, environmental and other problems associated with the decommissioning of units, final disposal of radioactive waste (RW) and spent nuclear fuel (SNF). This experience will be replicated in the future in other Russian nuclear regions.

MISSION OF THE ROUND TABLE DISCUSSION: To promote effective cooperation of all stakeholders: authorities (national, regional, municipal), nuclear business and concerned public for sustainable development of nuclear region and a balanced solution of the complex problems of long-term isolation of radioactive waste and spent nuclear fuel.

TOPICS FOR DISCUSSION: the basic principles and possible mechanisms for ensuring the balanced development of regions of the decommissioning of nuclear power plants, RW and SNF, taking into account best international practices.

PARTICIPANTS OF ROUNDTABLE DISCUSSION:

- Deputies of the State Duma of the Russian Federation;
- Legislators Leningrad and Murmansk regions;
- Experts from Russia, Lithuania, Norway, Finland;
- Members of the public of an international network of decommissioning.

EXPECTED RESULTS:

- Development of basic principles and possible mechanisms for the safe withdrawal and balanced development of the region's output of NPP;
- Establishing closer contacts between representatives of government, experts and the public areas of decommissioning to promote balanced development in the planning and decommissioning of nuclear power plants.

WORKING LANGUAGES: Russian and English. The organizers will provide consecutive translation.

PRELIMINARY PROGRAMME OF THE ROUND TABLE (version 02.06.2015)

June 4, Thurs. :

A trip on chartered bus to the Norwegian long-term radioactive waste storage Himdalen (Himdalen).

June 5 Fri .:

10:00 Welcome of the Norwegian organizers:

- A representative of the Norwegian Society for the Conservation of Nature - Friends of the Earth Norway (Naturvernforbundet - Friends of the Earth Norway), Oslo;
- A representative of the Energy Research Institute (IFE), Holden.

10:10 **Viktor Shevaldin**, Lithuanian experience of decommissioning of Ignalina Nuclear Power Plant. *Developing strategies and models of decommissioning. The main difficulties encountered. The lessons of the first fifteen years of decommissioning, which are worth taking into account in the planning of the decommissioning of the Leningrad Nuclear Power Plant.*

10:50 Questions, comments, discussion.

11:10 **IFE representative**, Decommissioning of Norwegian Scientific Reactors and Plans for cooperation for safety decommissioning of Leningrad NPP

11:30 Questions, comments, discussion.

11:50 Coffee break

12:05 **Mawash Ajaz**, Norwegian Nuclear Action Plan. *How act the Norwegian regulator of nuclear and radioactive safety.*

12:25 Questions, comments, discussion.

12:45 **Oleg Muratov**. Experimental demonstration centers (EDC) for decommissioning of nuclear and radiation hazardous facilities in Russia. *About EDC created by the accumulation of experience in decommissioning reactors VVER in the atomgrad Novovoronezh (Voronezh region), uranium-graphite reactors at close nuclear town (ZATO) Seversk (Tomsk Region), reprocessing of spent nuclear fuel in close nuclear town (ZATO) Zheleznogorsk (Krasnoyarsk Territory). This experience is planned to used for all decommissioning of radiation and nuclear facilities.*

13:05 Questions, comments, discussion.

13:30 Lunch

14:30 **Mikhail Vivsyany, Oleg Bodrov**. Decommissioning of NPPs. Basic principles and possible mechanisms for the safe withdrawal and balanced development of the region's output of NPPs. *Existing challenges and the possible mechanisms for the inclusion of regions to mitigate the negative consequences of the decommissioning of nuclear power plants.*

14:50 **Andrei Talevlin**. Legal regulation of the participation of regions in the decommissioning of nuclear power plants, management of radioactive waste and spent nuclear fuel. *(online Skype presentation from Chelyabinsk, Russia). Existing standards and the feasibility of additional solutions for a better inclusion of the regions (authorities*

and the public) in the process of timely planning of decommissioning nuclear power plants, management of radioactive waste and spent nuclear fuel.

Participants of roundtable discussion in Holden (NORWAY) 5 June 2015

Deputies of the State Duma of the Russian Federation:



1. **Ivan Ignatievich Nikitchuk**, Ph.D., Moscow, Russia, First Deputy Chairman of the Committee on Natural Resources, Environment and Ecology of the State Duma. A former deputy chairman of the City Council of the close nuclear town (ZATO) Arzamas-16, Russia. Participant of study trip to the repository of radioactive waste (Sweden, 2013), Finland and Korea (2014). Member of the Communist Party faction of Russian State Duma.

Deputies of the regional legislature of the Northwest of Russia:



2. **Michael Timofeevich Vivsyany**, Sosnovy Bor, Leningrad Region, the deputy chairman of the Standing Committee on Ecology and Environment of the Legislative Assembly of the Leningrad Region, a member of the Parliamentary Association of North-West Russia, the coordinator of the Working Group on the decommissioning of nuclear power plants of the Parliamentary Association of North-West Russia, an expert on nuclear power plants; more than 30 years he worked at the Leningrad Nuclear Power Plant, headed trade union workers of LNPP, participated in the trade union of workers of the nuclear industry in Russia, participates in international round-table discussion of decommissioning nuclear power plants in St. Petersburg. (2011, 2013, 2014) and Washington (2014). Member of A Just Russia, faction member of Leningrad Oblast Legislative Assembly.



3. **Natalia Vladimirovna Leshchinskaya**, Murmansk, Russia, Chairman of the Committee on Ecology and Environment of the Murmansk Regional Duma, member of the Federal Environmental Council of the Ministry of Natural Resources and Ecology of the Russian Federation, member of the Parliamentary Association of the North West of Russia, a member of the working group on decommissioning nuclear power plants of Parliamentary Association of the North West of Russia, a member of A Just Russia, faction of the Murmansk regional Duma.

Experts nuclear industry:



4. **Oleg Enverovich Muratov**, St. Petersburg., Russia, PhD, head of Radiation Technology Department of JSC TVELL (St. Petersburg), Executive Secretary of the Northwestern branch of the Russian Nuclear Society, a member of the Public Council of Rosatom State Corporation, one of the authors of the "Concept of a decommission plan for old nuclear power reactors Guiding Principles from Environmental NGOs" (2008), author of the report "Experimental demonstration centers for decommissioning of nuclear and radiation hazardous objects", a

participant of study tour to the decommissioning Ignalina NPP (Lithuania) and Nord NPP (Germany), participant discussions round table in St. Petersburg. (2013, 2014).



5. **Andrey Vladimirovich Polonsky**, Moscow, Russia, expert on Radioactive Waste Management Committee on Natural Resources, Environment and Ecology of the State Duma of RF, member of study trips to the repositories of radioactive waste in Sweden (2013) and Finland (2014).



6. **Viktor Nikolaevich Shevaldin**, Ignalina, Lithuania, the former director of the Ignalina Nuclear Power Plant, participated in the development and implementation of plans for the decommissioning of the Ignalina Nuclear Power Plant.



7. **Mawash Ajaz**, Oslo, Norwegian Radiation Protection Authority, Senior Adviser, section for International Nuclear Security, coordinating the Nuclear Action Plan.



8. **Charles Streeper**, Oslo, Norwegian Radiation Protection Authority, Senior Adviser, section for International Nuclear Security.



9. Jan Porsmyr IFE representative, Halden, Institute for Energy Studies (IFE),

Members of the public:



10. **Oleg Bodrov**, Sosnovy Bor, Leningrad region. Russian physicist, ecologist, chairman NGO "Green World", the expert of the Public Council of Rosatom State Corporation, one of the authors of the "Concept of a decommission plan for old nuclear power reactors Guiding Principles from Environmental NGOs" (2008), screenwriter,

producer of ten documentary films about the experience of decommissioning of nuclear power plants, radioactive waste and spent nuclear fuel in Russia, Lithuania, Germany, the United States; one of the organizers of the roundtable, study tours for representatives of the Russian authorities, nuclear experts and the public on nuclear facilities in Lithuania, Germany, USA, Sweden and Finland. The head of the international project of NGO "Green World" to decommission nuclear power plants.



11. **Vitaly V. Servetnik**, Murmansk, Russia, the head of the international project NGO "Kola Environmental Center" (KEC) to decommission nuclear power plants, a participant of study trips to nuclear facilities in Sweden, Finland; participants of roundtable discussions on issues of decommissioning nuclear power plants, radioactive waste and spent nuclear fuel management in St. Petersburg. (2013, 2014) and Krasnoyarsk (2013), a member of board of NGO "Kola Ecological Center".



12. **Andrey Talevlin**, PhD, Chelyabinsk, Russia, Participation by Skype. Head of the social movement (SM) "For the Nature", an expert of the Public Council of Rosatom State Corporation, a specialist in nuclear law; participant of study trips to nuclear facilities in Sweden, Finland, USA; Author of analytical articles on the problems of nuclear law, a participant in the roundtable discussions on issues of decommissioning nuclear power plants, radioactive waste and spent nuclear fuel management in St. Petersburg. (2013, 2014), Krasnoyarsk (2013), USA (2014), Head of the International Project SM "For the nature" «For decommissioning nuclear power plants.



13. **Gennady Shabarin**, St. Petersburg., Russia, writer, director and operator of ten documentary films about the experience of decommissioning of nuclear power plants, radioactive waste and spent nuclear fuel management in Russia, Lithuania, Germany, USA, winner of the international festival of documentary environmental film (Irkutsk, 2011), a member of board of NGO Green World.
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14. **Dag Arne Høystad**, constituted head of International Department, Norges Naturvernforbund.



15. **Dagny Ås Hovind**, Project coordinator – organizer of Roundtable

16. **Viktor Shevaldin** (Jr.), a student at the University of Vilnius, assistant of Victor Shevaldin (senior).



17. **Julia Dalskaya** journalist of the newspaper "St. Petersburg Vedomosti" (SPb. Herald), participant of the study tour to the repository of radioactive waste in Finland (2014), author of articles on the problems of radioactive waste management and public participation in decision making process on nuclear projects in Russia, Finland and United States.

18. **Katerina Sandstø**, interpreter (Russian-English).

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