



FIRST REGIONAL CONFERENCE ON
SUSTAINABLE INDUSTRIAL
DEVELOPMENT PROMOTING
SUSTAINABLE TECHNOLOGICAL SOLUTIONS AND
CLEAN TECHNOLOGIES IN CIS
COUNTRIES



CREATION OF THE INTEGRATED SYSTEM

FOR WASTE MANAGEMENT

AT THE EXAMPLE OF SOSNOVY BOR, LENINGRAD
REGION

VIENNA, 22-24.11.2017

Creation of the integrated system for waste management at the example of Sosnovy bor, Leningrad region

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Brief information about the project

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Stakeholders. Beneficiaries. Investors

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Roadmap for preparation of the PPP agreement

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Main risks and opportunities of the project

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Proposal to UNIDO, Russia

Brief information about the project

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Sosnovy Bor

Area: 7 122 ha

Community: 67 000 pers.

Industry & Services: 94%

Other: 6%

Main companies: Leningrad NPP, Holding Titan-2 (construction), research institutes, enterprises for radioactive waste management.

Solid waste types:

- Domestic;
- Industrial;
- Industrial waste with a low level of radioactive contamination;
- Radioactive.

Brief information about the project

The volume of waste generated until 2032

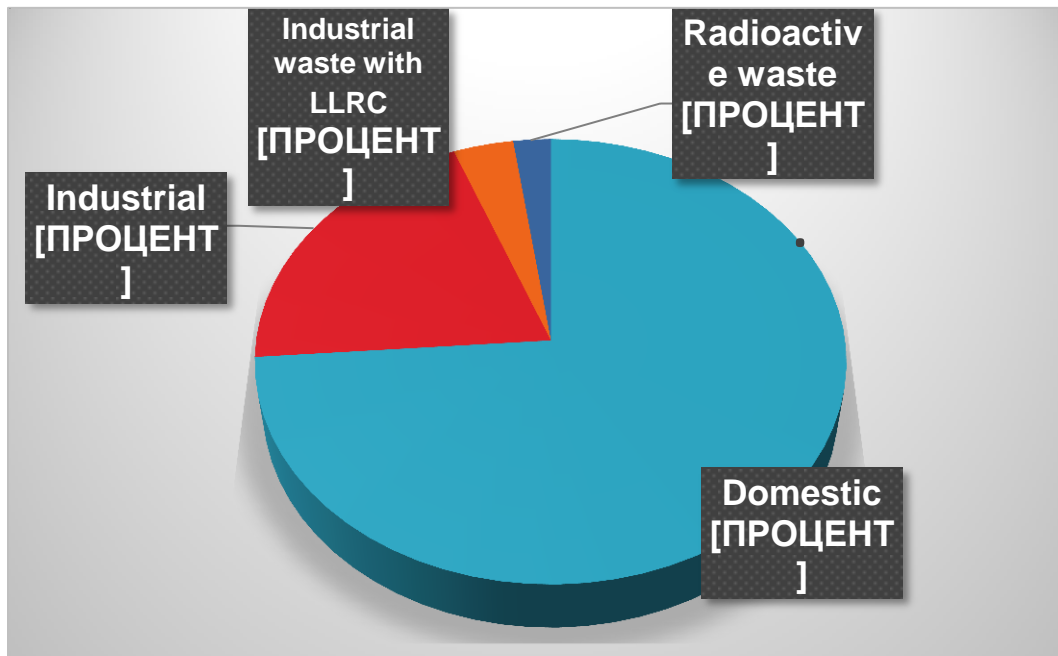
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Main factors:

- Construction of Leningrad NPP-2
- Decommissioning of Leningrad NPP-1
- Public resistance to the project of RAW disposal
- There is no landfill for Industrial waste & IW with LLRC
- Hard Domestic waste landfill is full

Stakeholders. Beneficiaries. Investors

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Stakeholders	Goals	Type of waste
Leningrad NPP-1 Rosatom	To place RAW & Industrial waste with LLRC	RAW IW LLRC
Leningrad NPP-2	To place industrial waste	IW
Community, Ecologists	To place HDW To eliminate illegal dump sites	HDW
Industry, Science	To place industrial waste To place HDW	IW HDW
Hard domestic waste landfill	Construction of waste recycling plant Increased profitability, diversification	HDW 2 IW, 2 IW LLRC

Roadmap for preparation of the PPP agreement

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2017 (done)

Feasibility study of radioactive waste disposal

site
The safety justification of radioactive waste disposal site

Feasibility study of landfill for IW with

LLRC
Estimation of the accumulation of all types of waste

A preliminary discussion of PPP with public organizations

2018 (plan)

Feasibility study for modernization of the HDW landfill, with commissioning of sites for industrial waste and industrial waste with LLRC

Roadmap for preparation of the PPP agreement (continuation)

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2018 (plan)

To prepare the draft of PPP agreement and a Comprehensive program of waste management Sosnovy Bor

Get support of municipal authorities and to prepare an appeal to Rosatom

to make a conference to provide a Comprehensive program and draft of PPP to stakeholders

To form a Work group (Committee) for the coordination and harmonization of stakeholder requirements to the draft of PPP

To ratify the PPP agreement and endorse the Comprehensive programme of waste management at Sosnovy Bor: budget, financial plan, sources and guarantees of investment, etc.

Proposal to UNIDO

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1. To provide a consulting assistance in carrying out negotiations with the government (municipal and regional)
2. To consider the possibility of attracting investment (or guarantees) on a repayment basis for covering financial deficits of the program
3. To develop specifications for management of Comprehensive program that meet international standards
4. To work on the draft PPP agreement and to ensure the relevance of procedures for the approval and ratification

SUMMARY

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- 1. A comprehensive approach to the treatment of various types of waste allowed to find a solution for each type separately**
- 2. This solution can be extended to municipalities, such Sosnovy Bor, forming various types of waste**
- 3. There is a solution to the problem of accumulation and processing of communal waste, but it lies outside the scope of the HDW treatment.**



Thank you



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