

## Regional pre-investment studies in Arkhangelsk

### Construction of New Waste Water Treatment Facilities in Residential District Lesnaya Rechka in Arkhangelsk



#### Background

The administration of Arkhangelsk is cooperating with the NPA-Arctic Project to provide technical and financial documentation for existing system of waste water treatment in residential district Lesnaya Rechka in Arkhangelsk town. NPA-Arctic Project is a program which shall contribute to prevent pollution of the Arctic marine environment. One of the prioritized measures for the NPA-Arctic is to develop regional pre-investment studies for projects in Arctic Regions of Russia that can contribute to reduced pollution. The Arkhangelsk region belongs to the Central Arctic Region together with, Komi Republic, Nenets Autonomous Okrug and Yamalo-Nenets Okrug. Development of pre-investment studies for implementation of project in Arkhangelsk was made by recommendation of administration of Arkhangelsk Region and administration of Arkhangelsk town.

#### Regional Pre-Invest Studies

A pre-investment study is an analysis which is undertaken in order to prepare a project for implementation. It includes a full technical description of a project, including concept, regulatory requirements, environmental and social aspects as well as concept price calculations. The technical description is followed by a financial analysis which assesses the investment needs and suggests potential investment and financing possibilities.

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Based on existing information three technical solutions for modernizing the waste water treatment system in Lesnaya Rechka were identified:

1. Reconstruction of WWTF in the Lesnaya Rechka district
2. Construction of new WWTF in the Lesnaya Rechka district.
3. Application of prefabricated block-modular small-size plant to treat waste water.

Based on a quantitative assessment of the technical solutions, it was determined that the most appropriate technology in accordance with technical, legal and environmental requirements was application of prefabricated block-modular small-size plant to treat waste water.

#### For more information:

Final Report on Construction of New Waste Water Treatment Facilities in Residential District Lesnaya Rechka in Arkhangelsk is available at Customer, Client and Consultant office or their web-sites and is opened for comments during 2 weeks since its publishing. For more information, please, contact:

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