REPUBLIC OF SERBIA
MINISTRY OF EUROPEAN INTEGRATION

MINISTRY OF FINANCE
Department for Contracting and Financing
of EU Funded Programmes

#ЕУ ЗА ТЕБЕ

EU PPF
PROJECT PREPARATION FACILITY

# LOZNICA

## KEY INFORMATION ABOUT THE PROJECT

WASTEWATER COLLECTION AND TREATMENT SYSTEM IN THE CITY OF LOZNICA
(City of Loznica and its constituent settlements)

ЕУ ППФ6/EuropeAid/137044/DH/SER/RS

**Sector:** Environmental protection/Wastewater management

The **City of Loznica** is a city in the Mačva District in the west of Serbia. According to the 2011 census, the Loznica municipality spreads over an area of 236 square miles and has a population of around 86,413.

The Loznica agglomeration includes around 40,000 inhabitants, of which 92% are connected to the public water supply system, while only 54.8% of the population is connected to the sewerage network. The sewerage network is mostly developed in the urban parts of Loznica and Banja Koviljača with a total length of around 58 miles. The wastewater collection networks in Loznica and Banja Koviljača operate as combined systems for storm sewage and sanitary sewage with low infiltration rate. The sewerage network in settlements with underdeveloped or no sewerage – such as Baščeluci, Krajišnici, Runjani, Voćnjak, and Ploča – is earmarked for expansion within the project for Loznica.

## PROJECT OBJECTIVES

- Improving environmental protection and protection of water resources against harmful effects of uncontrolled discharges of sanitary and industrial wastewater;
- Improving the quality of the environment through indirect effects, improved sanitation protection, and reduced public health risks for citizens by expanding the existing sewerage network for wastewater and atmospheric waters;
- Preventing further pollution of the Štira river and the Drina's cross-border watercourse from untreated wastewater discharge.

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## PROJECT PURPOSE

- Design and construction of a new central wastewater treatment plant (WWTP) in Loznica, with a surface area of 6.35 ha and a treatment capacity of 40,000 PE – Stage I, 60,000 PE – Stage II; the WWTP in Loznica will be serving Loznica and Banja Koviljača, securing treatment of sanitary and 10% industrial wastewater;
- Expansion of the sewerage network – Stage I for 7.4 miles; Stage II for 24.8 miles with nine pumping stations;
- Reconstruction of the Loznica and Banja Koviljača pumping stations;
- Reconstruction and rehabilitation of the existing pipelines in Loznica, Banja Koviljača, and Lozničko polje, as well as of damaged, deficient sections of the sewerage network;
- Construction of new discharge pipelines under pressure (from the new Loznica pumping station to the WWTP; from the Banja Koviljača pumping station to the intersection with the previous pipeline) with a total length of 4.1 miles.

## RESULTS

Within the EU PPF programme, the EU PPF6 project unit's expert team will produce:

- Preliminary Project Report – completed in August 2018;
- Conceptual designs for WWTP and wastewater collection network – February 2018
- Feasibility Study with Preliminary Design for the WWTP – February 2019;
- Environmental Impact Assessment Study (EIA Study) – March 2019;
- Design for Construction Permit for the wastewater collection system – May 2019;
- Design for execution of the works for the wastewater collection system – June 2019;
- Tender Documentation for the construction of wastewater treatment plants (WWTP) in the city of Loznica – July 2019;
- Tender Documentation for the construction and reconstruction of the sewerage network for wastewater and stormwater in the city of Loznica – July 2019;
- Accompanying training programme for strengthening the administrative, managerial, and operational capacities of the project participants – IN PROGRESS.

## PROJECT STATUS (JANUARY 2019)

**Project results**

| Conceptual Designs | Feasibility Study with Cost-Benefit Analysis | Preliminary Design | Environmental Impact Assessment Study (EIA Study) | Design for Construction Permit | Design for execution of the works | Tender Documentation |
|---|---|---|---|---|---|---|
| FEBRUARY 2018 | FEBRUARY 2019 | FEBRUARY 2019 | MARCH 2018 | MAY 2019 | JUNE 2019 | JULY 2019 |

**The project is part of documented development strategies:**

Current urban planning documents for the City of Loznica; Water Management Strategy for the territory of Republic of Serbia until 2034; National Priorities for International Assistance 2014–2017; National Environmental Protection Action Plan; National Environmental Approximation Strategy for the Republic of Serbia 2011–2019.