

MUNICIPAL SOLID WASTE



PROJECT FROM THE REGION'S COMMUNITY

**New construction of a complex for the processing, neutralization
and storage of municipal solid waste**

(the city of Kryvyi Rih)

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COMPLEX FOR THE PROCESSING, NEUTRALIZATION AND STORAGE OF MUNICIPAL SOLID WASTE



Construction of a waste processing plant with a capacity of 300 thousand tons of mixed waste per year, which meets high quality standards, similar to those built in the EU countries.

As a result of the complex's exploitation, it is expected to receive:

- secondary raw materials;
- RDF fuel (there is a large cement production facility in the city);
- technical compost (for use in the recultivation of damaged soil).

INITIATOR:



Kryvyi Rih city council

<https://kr.gov.ua>

DURATION:



2 years

REQUIRED INVESTMENT CAPITAL:



\$66 mln



PROJECT GOALS:

- ▶ reduction of solid waste disposal volumes by increasing the level of sorting, recycling, and utilization;
- ▶ production of secondary raw materials, RDF fuel, and technical compost for land reclamation;
- ▶ mitigation of the negative impact of waste on the environment and public health;
- ▶ creation of new jobs and attraction of investments in the waste management sector.



ECONOMIC INDICATORS OF THE PROJECT

The actual cost will be determined upon the completion of the project documentation

TECHNICAL PARAMETERS OF THE PROJECT



Land plot characteristics:

area:

45.77 ha

industry land (for industrial waste processing facilities),

cadastral number is available.

Project location:

the land plot is located in the industrial zone of Metallurgical district of Kryvyi Rih.

Transport infrastructure:

- national highway – 6.5 km;
- regional road – 5.5 km.

Engineering infrastructure:

water, gas and electricity are available and do not require any additional investments.

Mechanisms for cooperation:

- investing in the project.



ADDITIONAL INFORMATION

Kryvyi Rih is the 2nd largest city in Dnipropetrovsk region and the 8th largest city in Ukraine. Its population is almost 620 000 and the total amount of municipal solid waste (MSW) is about 275 000 tons per year. Almost all of municipal solid waste (MSW) is taken to the landfill without prior processing and with minimal sorting. This creates a stable and predictable amount of raw materials for the complex.

The location has a beneficial location, developed infrastructure and strong industrial cluster which provides stable channels for cooperation and consumption of processed products in particular RDF fuel for cement plants.

The plant will be integrated, that is, it will have its own sorting station for waste, a line for the production of RDF alternative fuels and recyclables, as well as an organic waste composting plant. Local authorities with the support of DIA and EBRD performed systematic preparations:

- amended the General Plan of Kryvyi Rih, which provides for the location of municipal solid waste complex;
- allocated a land plot with an area of 45.77 ha;
- developed a feasibility study for this waste processing complex;
- conducted an environmental impact assessment and received a positive conclusion.

Alignment with the sustainable development goals:



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