

# THE FIRST BATCH OF NEW PIPES



# DELIVERED TO THE LANDFILL

Alexander Novikov, Sergey Kitov

The project of solid waste landfill in Belorechensk Region of the Krasnodar Territory planned amongst the other things disposal of filtrate caused by rains.

This brings special requirements to drainage pipes. The storage height of solid wastes is about 60 m and the pipes must be robust enough to withstand the load of the layers and machinery. However, steel and concrete pipes are useless in this case because the filtration of solid waste landfills is highly aggressive and can bring the pipes out of service fairly quickly.

OOO InzhProektKompleks, Design Company, has decided to use perforated plastic pipe for the construction

of drainage system. These pipes are exceptionally resistant to all types of corrosion, have good hydraulic properties and ability to self-clean. However, none of the existing types of perforated plastic pipes have met the required toughness index.

POLYPLASTIC Group has PERFOCOR perforated pipes with nominal ring stiffness of SN16. The calculations proved that they will not withstand the designed load. In Autumn 2013 Klimovsk Pipe Plant has produced first batch of PERFOCOR pipe with ring stiffness of SN24 which were in full compliance with required prop-

erties. The decision was taken to use these pipes for the project.

OOO POLYPLASTIC South has supplied 3.5 km of PERFOCOR SN24, 315 mm pipes to the Intermunicipal solid waste landfill in Belorechensk Region of the Krasnodar Territory. OOO SpetsMontazh, the Contractor, could see the advantages of the new pipes – they are light comparing to concrete and steel pipes, quick to install, connection is simple and reliable. Optimal price and quality balance was the major argument in choosing the product for the drainage system of this important intermunicipal project.

