



Pollution of the Marec River by Waters from Artana (Novo Bërdë) Mine

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Received November 21, 2008; Accepted May 06, 2009

Abstract – In this work it was studied the pollution of the Marec river water, in Artana (Novo Bërdë), from the sterile landfill, as well as from waters coming out from horizon five and horizon six of Artana mine, and their flow combined into the Marec River, which interflows with the Morava River. To determine the pollution scale of the Marec river, water samples are taken at five locations: 1. The sample of river water, before it was combined with mine waters and, before it came in contact with landfill banks; 2. The sample of water coming out from horizon five; 3. The sample of water coming out from horizon six; 4. The mutual sample from both horizons (V+VI) and; 5. The river water sample after they were combined with mine waters. Observation of river pollution was done during years 2007 – 2008. In Table 1, there are given average values, for both years, of parameters: dissolvable substances; suspended substances; Pb; Zn; Cu; Cd; Fe; Mn, sulphate and pH values. It can be seen from the table that the river is excessively polluted and, urgent measures have to be taken to improve the situation.

Key words: *polluted water; polluters; sterile (waste from the flotation process), determination of metals.*

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