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ASSESSMENT METHODOLOGY FOR NON-COMPLIANT LANDFILLS

**Michaela Bianca Vac Soporan^{1*}, Vasile Filip Soporan¹,
Gheorghe Bătrînescu², Emanuela Cocîș¹**

¹*Technical University of Cluj-Napoca, Faculty of Materials and Environmental Engineering, Environmental Engineering and Sustainable Development Entrepreneurship Dept., 103-105 Muncii Bvd., Cluj-Napoca, Romania*

²*National Research and Development Institute for Industrial Ecology (ECOIND), Environmental Pollution Assessment and Monitoring Dept., 71-73 Drumul Podu Damboviței, District 6, Bucharest, Romania*

Abstract

This paper presents a proposal for measurements and interpretation of gaseous emissions from the municipal landfills, especially for non-compliant sites. Based on the measurements made on the Pata Rat landfill, Cluj-Napoca, a methodology for interpreting the results is presented, in order to assess current energy potential of the deposit. Measurements are the main basis for determining the energy potential of the deposit. By applying the methodology for determining the energy stage of the deposit, it has been shown that the best period for using the Pata Rat deposit was exceeded, but methane concentrations and flow rate resulted from the last measurements indicates that this site should continue to be monitored in terms of gaseous emissions.

Key words: energy potential, landfill, landfill gas, methodology

Received: October 2012; Revised final: February, 2013; Accepted: February, 2013

* Author to whom all correspondence should be addressed: E-mail: bianca.soporan@yahoo.com