



“Gh. Asachi” Technical University of Iasi, Romania

INDUSTRIAL SITES AND PAST POLLUTION PROBLEMS

Stela Dezsy^{1*}, Cristina Miclaus², Nicolae Rizescu¹, Mihai Nicu³

¹Neamt Environmental Protection Agency; ²National Environmental Guard- Neamt County;
³Technical University of Iasi, Department of Environmental Engineering, D. Mangeron Blvd,
71A, 70050, Iasi, Romania

Abstract

Within the privatization process the environmental authorities often face with pollution aspects and with specific measures to be required to the new owners. Especially when a re-conversion of the former industrial sites is expected, the past pollution diagnosis has to be very well defined. This paper presents a case study focused on FIBREXNYLON, which has been selected as a demonstration site. The study was accomplished in two phases: desk study and field investigations. Preliminary field tests and measurements have been performed before sampling groundwater, soil and building materials for the laboratory analysis. The results demonstrate the dimension and the extension of pollution with cyanides on the site. Such a study represents a preliminary assessment of the complex situation generated by the operation of a chemical installation. The historical pollution phenomena, insufficient monitored and managed during the time can generate a potential risk when a certain site is subject of industrial re-conversion.

Keywords: groundwater, pollution, cyanide

* Author to whom all correspondence should be addressed:
e-mail: stela.dezsy@yahoo.com