RESEARCH ON THE IMPACT INDUCED IN THE ENVIRONMENT BY MILK PROCESSING INDUSTRY. CASE STUDY: CAMYLACT SV LTD

Constantin Hutupas1*, Mihai Nicu2, Fanel Apostu2, Camelia Zetu3

1National Environmental Guard Suceava, Bistrita Street, no.1A, 2Technical University of Iasi, 71 Mangeron Blvd, Iasi-700050, Romania, 3Camylact LTD Panaci

Abstract

A general view of the impact that milk processing industry has on the environment can be set up by checking the literature in the area. The milk must be regarded as a raw material which has a life cycle that starts with its producing and ends in consuming. There will be presented some companies that process milk, furthermore it will be estimated the impact created while producing it. In order to find some methods of comparison for the performances of different milk processing companies, synthetic indexes as specific influents and effluents are defined. The object of investigation is the impact induced in the environment by a milk processing unit which makes ecological products, recognized by the National Vet Sanitary Agency and by similar UE & American Institutions.

The balance sheets for raw materials were shaped for all the activities carried on the location; based on these synthetic indexes of the impact on the environment have been drawn, as well as the specific factors, the extent of the usage of raw material, materials and specific effluents.

Keywords: environmental impact, milk processing, specific factors, raw materials, specific effluents

* Author to whom all correspondence should be addressed: Phone: +40744 532495, e-mail: crsuceava@gnm.ro