



“Gheorghe Asachi” Technical University of Iasi, Romania



CONTRIBUTIONS ON THE CENTRALIZED COLLECTION OF MANURE

Paula Cojocaru*, Florian Stătescu, Gabriela Biali

*“Gheorghe Asachi” Technical University of Iasi, Faculty of Hydrotechnics,
Geodesy and Environmental Engineering, Department of Land Improvement and Environmental Protection,
63-65 Prof. D. Mangeron Blvd., 700050, Iasi, Romania*

Abstract

This paper outlines certain contributions on the centralized collection and storage of manure, the building type of storage facility that must be used in order to eliminate the possibilities of spread and infiltration into the soil. Also, the facilities that need to be implemented for the collection of leachates, as well as a method to evaluate the volume of leachate collected from the storage platform, in the case of a rural area locality are addressed. The total built-up area shall be of 1191 m², while the actual storage area shall be of 825 m². The entrapped leachate volume was calculated considering the two manure storages pans. The total capacity of the leachate collection tank will be of 145 m³.

Key words: collection, chamber, leachate, manure

Received: June, 2020; Revised final: December, 2020; Accepted: January, 2020; Published in final edited form: March, 2021

* Author to whom all correspondence should be addressed: e-mail: paula.cojocaru@yahoo.com; Phone: 0040743036895