

Bio-Medical waste management in hospitals of Ludhiana - A Case Study

Name of Student : Gundeep Singh (1452694)

Deptt. : Env. civil

Guide : Puneet Pal S. Cheema

Mode of Study : F. Time

ABSTRACT

Medical waste management is of great importance due to its irresistible and dangerous nature that can bring about undesirable consequences for people and the surroundings. The objective of this study was to analyze and evaluate the present status of medicinal waste administration in the light of medical waste handling regulations recommended by the PPCB in Ludhiana district. A complete survey was conducted for five hospitals. For the purpose of data collection PPCB was approached. The outcome indicates that the average hazardous healthcare wastage production rate is increasing on a regular basis. It was found that healthcare waste is finally disposed in a private treatment facility (Medicare private limited) that has been responsible for managing the BMW. The organization of MW in Ludhiana was not given the appropriate attention. Still there are lacks of legislation and defined policy regarding this issue. The results also suggested that there is need for sustained cooperation among all key actors (government, hospitals and waste managers) in implementing a safe and dependable medical waste administration system, not only in legislation and strategy development as well as especially in its checking and requirement. This can be achieved through the cooperation between the Ministry of Health, Environmental Quality Authority, Present Government, and Non-Governmental organization functioning in related fields. Additional remediation measures are proposed to tackle the problematic areas of MW management in Ludhiana district hospitals by proposing some recommendations that will ensure that potential health and ecological risks of medical waste are minimized. The outcome of our study could be a factor to rectify the situation of medical waste management, especially after the presentation of its results to the stakeholders of the officials.