

A CASE STUDY ON SOLID WASTE MANAGEMENT WITH REFERENCE TO MADURAI DISTRICT MUNICIPAL CORPORATION

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ABSTRACT

The solid waste management is a big problem to municipal corporation authority. The solidwaste produced by household, commerce, industry, construction, hospitals and animal husbandry is threatening urban life. Its shortage collection, treatment and disposal involve huge process. If this process is not done effectively it may cause serious health hazard. Due to ever increasing population and fast expanding industrialization, the quantum of production of metals, plastics, ceramics, leather etc., has been steeply increasing in the last few decades. On account of low priority given to the solid waste management practices, it continues to remain inefficient and traditional. The uncontrolled dumping of the waste have serious environmental implication in terms of water pollution which may cause water borne diseases such as jaundice, dysentery and vomiting and contribution to air pollution when waste is burnt. Moreover, when non-degradable goods like plastic, metals are burned it leads to emission of poisonous gas. Thus, a study like this will create awareness among people to reduce the use of non-degradable things and develop the knowledge of disposing of solid waste in an eco-friendly manner.

KEYWORDS: SolidWaste Management (SWM), Municipal SolidWaste, Garbage, Reuse, Recycle, Degradable waste, Non-degradable waste.