

QUALITATIVE AND QUANTITATIVE EVALUATION STUDY ON LEACHATE GENERATION AT MUNICIPAL SOLID WASTE DISPOSAL SITE PUTTUR TOWN - DAKSHINA KANNADA

A PROJECT REPORT

Submitted to

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Abstract

Sanitary landfill method is one of the technique used in the ultimate and safe disposal of municipal solid waste generated in the society. The site should be properly constructed and operated to minimize the environmental effects. Due to infiltration of rain water, a liquid waste called leachate generated from landfill area, contains high dissolved organic and inorganic matter. If it is not handled properly in the collection, treatment and safe disposal, it creates serious problems on the surrounding soil, ground water aquifer and nearby surface water if any.

Detailed study has been carried out to know the quality and quantity of leachate generated at municipal solid waste disposal site in Puttur town. Also the effect of leachate on subsurface water quality at landfill site is studied. The quantity of solid waste generated, and its components like paper, plastic, glass, food waste etc., in few wards of the town is also considered in study area using GPS instrument.