

## عنوان مقاله:

Investigation and Evaluation of Potential Options to Determine the Methane Gas

## محل انتشار:

ژورنال مهندسی عمران, دوره 4, شماره 8 (سال: 1397)

تعداد صفحات اصل مقاله: 13

### نویسنده:

Ali Kemal Cakir - Department of Mechanical Engineering, Kastamonu University, Kastamonu, Turkey

#### خلاصه مقاله:

Izmir has been one of the cities in our country which firstly began to implement a regular solid waste disposal system withthe operation of Harmandali Landfill Facility in 1992. An important part of municipal solid waste produced in contiguousarea of Izmir during the period of 25 years was disposed in this facility in order to minimize any possible problems onhealth and environment caused from that solid waste. The most important factor for deciding on the energy potential oflandfill is the amount of landfill methane gas in the landfill area. There are several approaches used to determine the amountof landfill gas. We used one method (When the facility conditions are taken into account (moisture, waste water, landfillleachate etc.) that it is the most appropriate method) and one Literature-Based Approximate Forecast to determine theamount of the landfill gas in Harmandali Landfill. This method is Multi-Phase method. The main objective of this study isto investigate the use of landfill gas as potential energy and electricity provided from municipal solid waste (domestic,industrial, medical waste and sewage sludge) stored regularly in .Harmandali Solid Waste Landfill Area, within theboundaries of the contiguous area of Izmir

# کلمات کلیدی:

Landfill; Solid Waste; Landfill Gas; Methane Gas; Energy Production

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https://civilica.com/doc/804144

