



Republic of Iraq

Ministry of Higher Education and Scientific
Research

University of Technology

Building and Construction Engineering Department



Estimation of gaseous pollutants near the electrical generation inside University of Technology

Annual research Submitted to the Building and Construction
Engineering Department of the University of Technology in Partial
Fulfillment of the Requirements for the Degree of B.Sc. In Sanitary
and Environmental Engineering

Prepared By:

Ayat najim abd

Supervised By:

Dr. Abdul Hameed Mohammed

Dr. Zainab Bahaa

Zaina

Abstract

Air pollution the most important matter facing the world sharply; require tremendous effort to minimize the effects of air pollution, as well as the urgent need for the contribution of many different sciences and disciplines in the work programs to contribute and reducing the effects of pollution.

The aim of this research is to measure the concentrations of some important pollutants gases during four months starting from December such as (CO, CO₂,SO₂),total suspended particle (TSP) and particular matter (PM₁,PM_{2.5},PM₇ and PM₁₀) . It has been selected fifteen sites using Global Positioning System (GPS) in the University of Technology near the electrical generator.

The results showed that the concentration of contaminants gases, (PM₁, PM_{2.5}, PM₇, PM₁₀) and TSP less than the Iraqi and international standards in all sites.