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**REMOVAL OF SOME
POLLUTANT FROM INDUSTRIAL
WASTEWATER BY USING MODIFIED CLAY**

By

Amani Abd El Rahman Mohamed Abd El Hamid

A Thesis Submitted to the
Faculty of Engineering at Cairo University
in Partial Fulfillment of the
Requirements for the Degree of
MASTER OF SCIENCE
in
CHEMICAL ENGINEERING

FACULTY OF ENGINEERING, CAIRO UNIVERSITY
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Title of Thesis:

REMOVAL OF SOME POLLUTANT FROM INDUSTRIAL WASTEWATER BY USING MODIFIED CLAY

Key Words:

Modified Clay; Industrial wastewater; Lead Acetate; Zinc Sulfate; Regeneration

Summary:

The present thesis work studies how industrial wastewater can be treated into usable water by the modified clay. In addition, discussing the efficiency of the modified clay in removing heavy metal ions from polluted water through an easy and low-cost process, subsequently to the possibility of regeneration of modified clay for reuse.

Disclaimer

I hereby declare that this thesis is my own original work and that no part of it has been submitted for a degree qualification at any other university or institute.

I further declare that I have appropriately acknowledged all sources used and have cited them in the references section.

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Dedication

This thesis is intended for anyone interested in environmental issues and how to convert waste into valuable materials.

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This work has been impossible without the encouragement and effort of those who supported me throughout my thesis.

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