

H.T.I.

CIVIL ENGINEERING COURSE

DIPLOMA PROJECT

INDUSTRIAL WASTE CONTROL

C/830

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JUNE 1998

INDUSTRIAL WASTE CONTROL

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Project Report

Submitted To

The Department of Civil Engineering

Of The Higher Technical Institute

Nicosia, Cyprus

In Partial Fulfilment of The Requirements

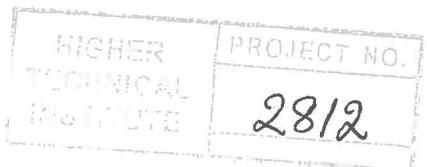
For The Diploma Of

TECHNICAL ENGINEERING

in

CIVIL ENGINEERING

JUNE 1998



ACKNOWLEDGEMENTS

I would like to pay gratitude to my supervisor Mr N Kathijotes, for his help through out the study period.

I especially pay my gratitude to Mrs Evi Theopemptou from the Sewerage Board of Nicosia for all her effort to help and support in providing the required information for the research.

It is also my pleasure to pay my gratitude to Mr Charalmbos Hajipakkos for the treatment Plant of Vathia Gonia and Mr Costantinos Sophocleous of the Treatment Plant of Anthoupolis for their valuable information and knowledge they provided me with.

Last but not least, I thank everyone who helped in putting this project together.

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Chapter 1

Part I

Industrial Waste Control

1 Introduction

Environmental Engineering has been defined as the branch of Engineering that is concerned with protecting the environment from the potentially deleterious effects of human activity, protecting human populations from the effects of adverse environmental factors, and improving environmental quality for human health and well being.

As the above definition implies, humans interact with their environment - sometimes adversely impacting the environment and sometimes being adversely impacted by pollutants in the environment.

For every natural act of pollution, for every undesirable alteration in the physical, chemical, or biological characteristics of the environment, for every incident that eroded the quality of the immediate, or local, environment, there were natural actions that restored that quality.

Though the system has operated for millions of years, it has begun to show signs of stress, primarily because of the impact of humans upon the environment. Therefore, due to both regulatory pressures and internal concerns, environmental protection has grown to play a major role in current industrial operations. All parties are reconciled that much must be done toward reducing various discharges to water courses, to the atmosphere and to the land.

Since all development projects may be expected to release some pollutants into the environment, this project examines one source of pollution which is Industrial Wastes.