

**WATER TREATMENT AND WATER
QUALITY ASSESSMENTS**

BY

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Project report

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CHAPTER 1

1.1 INTRODUCTION TO THE PROJECT

The title of the project is Water Treatment and Water Quality Assessment. This project involved with the treatment and quality of water, from the source to the treatment station, then to the water development department and at the end to houses through the proper authorities, as drinking water.

The main objectives of the project are:

- a) To present a general overview of water resources of Cyprus and outline routes of obtaining raw water treatment.
- b) To state the general quality evaluation principles and criteria
- c) To state water quality evaluation methods and results for general domestic supply in Cyprus.
- d) To state and explain possible quality problems and monitoring methods.
- e) To present water treatment plants in Cyprus and their operation details.
- f) To flow chart the operation of a water treatment plant by outlining all treatment processes including quality evaluations.

In order for further objectives to happen a research about the water and the treatment of it was done and also a questioner with visits to persons and places which are relevance with the project.

At chapter 2 there are some general information's about the water, the characteristics of water, the water cycle and how the water can convenes to ice.

Chapter 3 talks about general methods of treat and clean water, the equipment which is used and the criteria where the water can be drug.

Chapter 4 talks about Cyprus standards that makes a water drinking water, the authorities that are involve with water from the source until the houses, the big Cyprus problem ,the government policy, dams, wells, desalination of see water and treatment stations.

At chapter 5 there is a description of a treatment station and the way it works in Cyprus and the problems that deals and the approximately cost of the station that is needed for every day.

At the last chapter, chapter 6, is the successfulness of the project, the main conclusions and the benefits of doing this project.

At the back are the appendices and the references.

CONTENTS

	PAGE
LIST OF FIGURES	i - ii
LIST OF TABLES	ii
LIST OF FLOW CHARTS	iii
ACKNOWLEDGMENTS	iv
CHAPTER 1	
1.1 INTRODUCTION TO THE PROJECT	5
CHAPTER 2	
WATER ITS IMPORTANCE	6 – 15
2.1 INTRODUCTION	6
2.2 WATER	7
2.2.1 Physical Characteristics of Water	8
2.2.1(a) Temperature	8
2.2.1(b) Taste and odour	8
2.2.1(c) Colour	8
2.2.1(d) Turbidity	8
2.2.1(e) Density of water	8
2.2.2 Biological Characteristics of Water	9
2.2.3 Chemical Characteristics of Water	10
2.2.3(a) Alkalinity	10
2.2.3(b) Adhesion	11
2.3 WATER CYCLE	11
2.4 WATER, ICE AND VAPOUR	12

2.4.1(a) Water as Ice	12
2.4.1(b) Water as vapor/ steam	14
2.4.2 Triple point	14
2.4.3 Heat capacity and heats of vaporization and fusion	15
CHAPTER 3	
WATER TREATMENT	16 - 35
3.1 INTRODUCTION TO WATER TREATMENT	16
3.1.1 Preliminary Treatment	17
3.1.2 Coagulation and Flocculation	20
3.1.3 Sedimentation	20
3.1.4 Flotation	26
3.1.5 Filtration	27
3.1.6 Disinfection	30
3.1.6 (a) Mixed oxidant gases system	32
3.1.6 (b) Elimination of pathogens through solar disinfection	33
3.1.7 Other Treatments For Unusual Cases	35
CHAPTER 4	
EXISTING STATUS IN CYPRUS	36 – 61
4.1 CYPRUS PROBLEM	36
4.2 GOVERNMENT POLICY	37
4.3 DAMS	38
4.4 WELLS	44
4.5 DESALINATION	47
4.6 TREATMENT STATION	49
4.6(a) khirokitia Water Treatment Plant	49

4.6(b) Kornos Water Treatment Plant	50
4.6(c) Limassol Water Treatment Plant	51
4.6(d) Asprokremmou Water Treatment Plant	52
4.6.1 Self Contained Water Treatment Units	52
4.7 AUTHORITIES	53
4.7 (a) Water Development Department	53
4.7(b) Water Board of Nicosia	54
4.7(c) General Chemistry Lab and Sanitary services	59
CHAPTER 5	
WATER TREATMENT PLANT OF TERSEPHANOU	62 – 89
5.1. HISTORY OF TERSEPHANOU WATER TREATMENT PLANT	62
5.2 DESCRIPTION OF THE PLANT.	64
5.2(a) Removal of suspended matter	64
5.2(b) Prechlorination	64
5.2(c) Aeration of water	64
5.2(d) Flocculation	66
5.2(e) Sedimentation	69
5.2(f) Filtering	69
5.2(g) Addition of lime	73
5.2(h) Postchlorination	73
5.3 LABORATORY RESULTS OF TERSEPHANOU	78
5.3(a) Raw water of Kouris	78

5.3(b) Filtered water of Tersephanou	79
5.3(c) Mixed water of Tersephanou and desalination Larnakas	83
5.3(d) Treated water from desalination of Larnaka	87

CHAPTER 6

CONCLUSIONS

90 – 91