

TABLE OF CONTENTS

ABBREVIATIONS	vi
ABSTRACT.....	vii

CHAPTER 1

INTRODUCTION

1.1 General.....	1
1.2 Scope of the Study.....	2
1.3 Outline of the Thesis.....	2

CHAPTER 2

LITERATURE REVIEW

2.1 Modern Surface Water Treatment	5
2.1.1 Sedimentation.....	5
2.1.1.1 Plain Sedimentation.....	6
2.1.1.2 Sedimentation Aided With Coagulation.....	7
2.1.2 Filtration.....	12
2.1.3 Disinfection.....	14
2.1.4 Softening.....	15
2.1.5 Taste and Odor Control.....	17
2.2 Surface Water Treatment Plant Sludge.....	18
2.2.1 Sources of Sludge.....	19
2.2.2 Sludge Characterization.....	20
2.2.3 Problems of Sludge Disposal.....	21