

**TABLE OF CONTENTS**

	<b>Page No.</b>
<b>1 INTRODUCTION</b>	<b>1</b>
1.1 Background to the study.....	1
1.2 The overall objectives of the project.....	2
1.3 Description of the research products.....	2
1.4 Methodology.....	3
1.5 Layout of the report.....	5
<b>2 REVIEW OF INTERNATIONAL PRACTICE IN WATER QUALITY USE ALLOCATION PROCEDURES.....</b>	<b>7</b>
2.1 Introduction.....	7
2.2 Australia.....	7
2.2.1 National Water Quality Management Strategy (NWQMS).....	7
2.2.2 National Action Plan for Salinity and Water Quality.....	8
2.2.3 Hunter River Salinity Trading Scheme.....	9
2.3 United States of America.....	10
2.4 European Community.....	13
2.4.1 EU Water Framework Directive.....	13
2.4.2 Modelling decision support.....	14
2.5 Summary of common elements in the international practices.....	15
<b>3 SOUTH AFRICAN WATER RESOURCE POLICIES THAT HAVE A BEARING ON WATER QUALITY USE ALLOCATION.....</b>	<b>17</b>
3.1 The Process of Water Resources Management.....	17
3.2 The Water Quality Component of a Catchment Management Strategy.....	18
3.3 The Water Use Allocation Planning.....	20
3.4 Source Management in South Africa.....	21
3.5 Resource Directed Water Quality Management.....	22
3.6 The National Water Resource Classification System.....	22
<b>4 CONCEPTUAL FRAMEWORK FOR WATER QUALITY USE ALLOCATION PROCEDURES.....</b>	<b>26</b>
4.1 Description of the operating environment.....	26
4.2 Guiding principles.....	26
4.3 Regulatory environment - What does the National Water Act say about a Water Quality Use Allocation Plan?.....	27
4.4 Approach to water quality use allocation.....	29
4.5 Technical support for water quality use allocation.....	30
4.6 Technical guidelines for water quality use allocation.....	35
<b>5 DISCUSSION, RECOMMENDATIONS AND CONCLUSIONS.....</b>	<b>38</b>
5.1 Discussion.....	38
5.2 Recommendations on future research.....	39
<b>6 REFERENCES.....</b>	<b>41</b>