



TABLE OF CONTENTS

	<u>PAGE</u>
Title Page	i
Acknowledgements	ii
Table of Contents	iv
List of Abbreviations and Acronyms	vii
Chapter 1 INTRODUCTION	
1.1 Purpose of BMP Manual	1-1
1.2 Organization of BMP Manual	1-1
1.3 Preparation of BMP Manual	1-2
1.4 Stormwater Quantity and Quality	1-2
1.5 Background	1-3
1.6 Erosion and Sediment Control Plan	1-3
1.7 Stormwater Pollution Prevention Plan	1-4
1.8 Special Pollution Abatement Permit	1-4
Chapter 2 EROSION AND SEDIMENT CONTROL	
2.1 Erosion Process	2-1
2.2 Overland Erosion	2-1
2.3 Stream and Channel Erosion	2-2
2.4 Dust Control	2-3
2.5 Factors Influencing Erosion	2-3
2.6 Sedimentation Process	2-4
Chapter 3 STORMWATER POLLUTANTS	
3.1 Sediments	3-1
3.2 Nutrients	3-2
3.3 Heavy Metals	3-2
3.4 Toxic Materials	3-2
3.5 Oil and Grease	3-3
3.6 Bacteria and Viruses	3-3
3.7 Oxygen Demanding Substances	3-3
3.8 Floatable Materials	3-4
3.9 Construction Waste	3-4
3.10 BMP Pollutant Removal Matrix	3-4



PAGE

Chapter 4 SELECTING BEST MANAGEMENT PRACTICES

4.1	Temporary Versus Permanent BMPs	4-1
4.2	Identify Objectives	4-1
4.3	Select BMPs	4-3
4.4	Factors for Construction Sites	4-5
4.5	Pollutant Removal Goals	4-6

Chapter 5 EROSION AND SEDIMENT CONTROL PLAN

5.1	Overall Requirements	5-1
5.2	Minimize Disturbed Areas	5-1
5.3	Site Perimeter Controls	5-2
5.4	Internal Erosion and Drainage Design	5-3
5.5	Inspection and Maintenance	5-3
5.6	ESCP Preparation Guidance	5-4

Chapter 6 STORMWATER POLLUTION PREVENTION PLAN

6.1	City Versus State Requirements	6-1
6.2	Site Evaluation Phase	6-2
6.3	Planning and Design Phase	6-3
6.4	Implementation Phase	6-3
6.5	SWPPP Preparation Guidance	6-4

Chapter 7 SPECIAL POLLUTION ABATEMENT PERMIT 7-1

Form M1	Special Pollution Abatement Permit (SPAP)	SPAP-1
Form M2	SPAP for Food Handling and Processing Facilities	SPAP-2
Form M3	SPAP for Vehicle and Equipment Facilities	SPAP-3
Form M4	SPAP for Vehicle Wash Facilities	SPAP-4
Form M5	SPAP for Large Parking Lot Facilities	SPAP-5

Chapter 8 LIST OF RELATED WEBSITES

8.1	Websites for the City of Knoxville Government	8-1
8.2	Websites for the State of Tennessee Government	8-2
8.3	Websites for the United States Government	8-3
8.4	Miscellaneous Websites	8-4



	<u>PAGE</u>
Chapter 9 GLOSSARY OF TERMS	9-1
Chapter 10 LIST OF REFERENCES	10-1

<u>Categories of BMPs:</u>	#
AM - Activities and Methods BMPs	19
ES - Erosion and Sediment BMPs	30
IC - Industrial and Commercial BMPs	14
RH - Residential and Homeowners BMPs	12
ST - Stormwater Treatment BMPs	13

Current total =	88