

Contents

	Page
Executive Summary	i
1 Project Overview and Justification	1
1.1 Project Overview and Justification	1
1.2 Purchase of Water by Tankers	1
1.3 Mobilisation of Additional Water Resources	1
1.4 Desalination Project	2
1.5 Legal and Administrative Framework	2
2 Project Description	4
2.1 Project Overview	4
2.2 The Promoters	4
2.3 Professional Services	4
2.4 The Project Site	5
2.5 Alternative to Sites	6
2.6 Project Layout	6
2.7 Hotel Electricity consumption	12
2.8 Hotel Potable water consumption	13
2.9 Existing Sewerage collection and Treatment System	13
3 Project Natural Environment	16
3.1 Terrestrial Environment	16
3.2 Physical Environment	20
3.3 Lagoonar water Quality	24
3.4 Noise Level	24
4 Built Environment	26
4.1 Demography	26
4.2 Regional Tourism Activity	26
4.3 Local Amenities	27
4.4 Industry Activities	28
4.5 Social Infrastructure	28
4.6 Public Services and Utilities	29
5 Environmental Management Plan	32
5.1 General	32
5.2 Objectives of the Environment Management Plan	32
5.3 Sources of Impacts	32
5.4 Impacts at Project Conceptual Stage	33
5.5 Impacts at Construction Phase	33

5.6	The Operational Phase	34
5.7	Socio-economic Impacts	43
5.8	Impacts at Decommissioning Phase	43
6	Environmental Monitoring Plan	45
6.1	The Environmental Monitoring Programme	45
7	Conclusion	51

Appendices

Appendix A

Letter of Authorisation from CWA

Appendix B

Certificate of Incorporation

Appendix C

Lease Agreement and Title Deed

Appendix D

Borehole Investigations

Appendix E

Material Safety Data Sheets for Chemicals

Appendix F

Laboratory Analyses of Treated Effluent from Existing STP and New Man-Made Pond and Wetland W2

Appendix G

Environmental Management and Restoration Plan for Green Belt and Wetlands

Appendix H

Wind Roses at Pamplémousses

Appendix I

Coastal Water Quality