## 363.7387098 ONU

## **CONTENTS**

CHAPTER 1: VEHICULAR AIR POLLUTION: AN OVERWIEW	1
Urbanization in Latin America and the Caribbean	2
Motorization in Latin America and the Caribbean	2 5
The Outlook	12
References	13
CHAPTER 2: AIR POLLUTANTS AND THEIR EFFECTS	15
Pollutant Emissions from Motor Vehicles	15
Air Pollutants	17
Quantifying Pollutant Emissions	21
Dispersion of Air Pollutants	23
Health Effects of Air Pollutants	25
CHAPTER 3: ABATEMENT MEADURES FOR VEHICULAR AIR POLLUTION	55
Vehicle-Targeted Measures	59
Fuel-Targeted Measures	73
Transport Management Measures	101
Annex A: Vehicular Emission Standards in the United States	113
References	119
CHAPTER 4: CASE STUDIES	123
Mexico City	125
Santiago	157
Sao Paulo	183
Belo Horizonte	205
Buenos Aires	217
Rio de Janeiro	235
Santafe de Bogota	249
References	265
CHAPTER 5: CONCLUSIONS	269
Planning Tools for Air Quality Management	272
Air Pollution Control Measures	274
Formulation and Implementation of Urban Air Quality Management Strategy	281
References	281