

TABLE OF CONTENTS

	Page
PREFACE	i
LIST OF TABLES	vi
LIST OF FIGURES	ix
A. SUMMARY OF FINDINGS AND CONCLUSIONS	1
A.1 INTRODUCTION	1
A.2 THERMAL POWER - CONTROL TECHNOLOGY SUMMARY	2
A.3 NON-FERROUS SMELTING SUMMARY	7
A.4 MOBILE SOURCES SUMMARY	8
A.5 INDUSTRIAL, COMMERCIAL, RESIDENTIAL FUEL COMBUSTION	9
A.6 EMISSIONS SUMMARY	12
B. SOURCE SECTORS OF CONCERN	17
B.1 THERMAL POWER	18
B.1.1 Description	18
B.1.2 Control Technologies	25
B.1.2.1 Technologies In use	37
B.1.2.2 Available Technologies	38
B.1.2.3 Emerging Technologies	38
B.1.3 Alternative Production Processes	39
B.2 NON-FERROUS SMELTERS	40
B.2.1 Description of the Non-Ferrous Smelting Sector	40
B.2.2 Control Technology	40
B.2.2.1 Control Technology In Use	46
B.2.2.2 Control Technology Available	50
B.2.2.3 Emerging Control Technology	52
B.2.3 Alternative Production Processes	54
B.2.4 Preliminary Cost of Control for Eastern Canadian Smelters	55
B.3 MOBILE SOURCES	57
B.3.1 Description of Sector	57
B.3.2 Control Technologies	57
B.3.2.1 United States - New Vehicles	57
B.3.2.1.1 Light Duty Vehicles	57