		PAGE
c.	EMISSION SOURCE SECTORS	97
C.1	FOSSIL FUEL-FIRED GENERATION PROCESSES	97
C.1.1	Description	97
C.1.2	Emissions and Control Technologies	104
C.1.2.1	Sulfur Dioxide Control Technologies	108
C.1.2.2	Nitrogen Oxide (NO <sub>x</sub> ) Control Technologies	113
C.1.2.3	Particulate Matter Control Technologies	115
C.2	NON-FERROUS SMELTERS	117
C.2.1	Description	117
C.2.2	Control Technology	120
C.2.3	Control Technologies and Costs	121
C.2.3.1	Treatment of Strong SO <sub>2</sub> Off-gas Streams	122
C.2.3.2	Treatment of Weak Gas Streams Using Flue Gas Scrubbing	123
C.2.4	Process Modification	124
C.2.4.1	Processes that Provide Gases More Amenable to SO <sub>2</sub> Control	124
C.2.4.2	Processes that Eliminate SO <sub>2</sub> Formation	126
C.2.4.3	Processes that Reduce Sulfur Input to the Metallurgical Processes	126
C.2.5	Comparison of Abatement Costs for the Different Options	127
C.3	MOBILE SOURCES	140
C.3.1	Description	140
C.3.2	Control Technologies	140
C.3.2.1	United States New Vehicles	140
C.3.2.1.1	Light-Duty Vehicles	140
C.3.2.1.2	Light-Duty Trucks	141
C.3.2.1.3	Heavy-Duty Trucks (HDT)	141
C.3.2.2	United States In-Use Vehicles	142
C.3.2.2.1	Transportation Control Measures	142
C.3.2.3	Canada New Vehicles	` 142
C.3.2.4	Canada In-Use Vehicles	142
C.4	PETROLEUM REFINING	143
C.4.1	Description	143
C.4.2	Control Options	144
C.5	INDUSTRIAL RESIDENTIAL, COMMERCIAL FUEL COMBUSTION (STATIONARY SOURCES)	145
C.5.1	Industrial Combustion Units	145
C.5.2	NO <sub>X</sub> and SO <sub>2</sub> Control Technologies	146
C.5.3	Residential and Commercial Combustion Units	146