- viii -

PAGE APPENDIX 7 A-159 7. DETAILED LIST OF CURRENT RESEARCH AND DEVELOP-A-160 MENT PROJECTS 7.1 DEVELOPMENT/EVALUATION OF DRY FGD TECHNOLOGY A-161 7.2 RESEARCH ON FUNDAMENTALS OF ELECTROSTATIC A-163 AUGMENTATION OF FABRIC FILTRATION 7.3 DEVELOPMENT AND EVALUATION OF TWO-STAGE ELECTRO-A-165 STATIC PRECIPITATORS 7.4 DEVELOPMENT/DEMONSTRATION OF AN ADIPIC ACID-A-167 ENHANCED LIMESTONE FGD PROCESS 7.5 IN-HOUSE RESEARCH & DEVELOPMENT ON FGD PROCESSES A-169 7.6 FGD TECHNOLOGY ASSESSMENT A-171 7.7 COAL CLEANING ASSESSMENT A-173 7.8 COAL PREPARATION A-175 7.9 LOW-NOX BURNER DEMONSTRATION PROJECT A-176 7.10 EVALUATION OF LOW-NOX BURNER FOR CANADIAN COALS A-177 7.11 DEVELOPMENT AND DEMONSTRATION OF SECOND GENERATION A-178 LOW-NOX BURNER TECHNOLOGY 7.12 DEVELOPMENT AND EVALUATION OF AN ADVANCED NOX A-180 CONTROL TECHNOLOGY FOR CYCLONE-FIRED BOILERS AND OTHER RETROFIT APPLICATIONS 7.13 EVALUATION OF IN-FURNACE NO_X REDUCTION A-182 (REBURNING) 7.14 HEAVY OIL/LOW-NOX BURNER DEVELOPMENT AND FIELD A-184 EVALUATION 7.15 OPERATION AND MAINTENANCE (O&M) OF EXISTING NO_X A-185 COMBUSTION MODIFICATION EOUIPMENT 7.16 APPLICATION AND ASSESSMENT OF COMBUSTION MODIFIC-A-186 ATION CONCEPTS FOR COAL-FIRED STOKER BOILERS 7.17 A-187 EMISSIONS CONTROL BY COMBUSTION MODIFICATION FOR INDUSTRIAL PROCESS COMBUSTION EQUIPMENT 7.18 FUNDAMENTAL COMBUSTION RESEARCH PROGRAM A-188