

TABLE OF CONTENTS

LIST OF ACRONYMS & SYMBOLS

1		
2		
3	AD	Anaerobic Digestion
4	ADT	Average Daily Traffic (volume)
5	bgs	Below Ground Surface
6	BMP	Best Management Practice
7	BP	Before Present
8	C&D	Construction and Demolition
9	CalRecycle	California Department of Resources, Recycling and Recovery
10	CARB	California Environmental Protection Agency Air Resources Board
11	CCR	California Code of Regulations
12	CDFW	California Department of Fish and Wildlife
13	CEQA	California Environmental Quality Act
14	CESA	California Endangered Species Act
15	CH ₄	Methane
16	CIWMB	California Integrated Waste Management Board
17	CNDDB	California Natural Diversity Data Base
18	CNEL	Community Noise Equivalent Level
19	CNPS	California Native Plant Society
20	CO	Carbon Monoxide
21	CO ₂	Carbon Dioxide
22	CO ₂ e	Carbon Dioxide, equivalent (greenhouse gases)
23	CRLF	California Red-legged Frog
24	CWA	Clean Water Act
25	dBA	Decibel: A - weighted
26	EIR	Environmental Impact Report
27	ESA	Endangered Species Act
28	ESCP	Erosion and Sediment Control Plan
29	GHG	Greenhouse Gases
30	GLCRS	Groundwater Leachate Collection and Recovery System
31	HCP	Habitat Conservation Plan
32	HDPE	High Density Polyethylene

1	HMBP	Hazardous Materials Business Plan
2	LEED	Leadership in Energy and Environmental Design
3	LEA	Local Enforcement Agency
4	LFG	Landfill Gas
5	MMCO _{2e}	Metric Tons Carbon Dioxide Equivalent (greenhouse gases)
6	MRF	Materials Recovery Facility
7	MSW	Municipal Solid Waste
8	N ₂ O	Nitrous Oxide
9	NAHC	Native American Heritage Commission
10	NOI	Notice of Intent
11	NOP	Notice of Preparation
12	NO _x	Oxides of Nitrogen
13	NPDES	National Pollutant Discharge Elimination System
14	OPR	Governor's Office of Planning and Research
15	PM _{2.5}	Particulate Matter with an aerodynamic diameter of 2.5 microns or less
16	PM ₁₀	Particulate Matter with an aerodynamic diameter of 10 microns or less
17	PSD	Prevention of Significant Deterioration
18	ROC	Reactive Organic Compounds
19	RRWMD	Santa Barbara County Public Works, Resource Recovery and Waste 20 Management Division
21	RWQCB	Regional Water Quality Control Board
22	SBCAPCD	Santa Barbara County Air Pollution Control District
23	SBCFC	Santa Barbara County Fire Department
24	SCCAB	South Central Coast Air Basin
25	SLAMS	State and Local Air Monitoring Stations
26	SWPPP	Storm Water Pollution Prevention Plan
27	SWRCB	State Water Resources Control Board
28	TRRP	Tajiguas Resource Recovery Project
29	USACE	United States Army Corps of Engineers
30	USEPA	United States Environmental Protection Agency
31	USFWS	United States Fish and Wildlife Service
32	USGS	United States Geological Survey
33	WDR	Waste Discharge Requirement

1		Page
2	1.0 INTRODUCTION.....	1-1
3	1.1 DOCUMENT PURPOSE AND LEGAL AUTHORITY	1-1
4	1.2 GENERAL OVERVIEW AND BACKGROUND.....	1-2
5	1.3 OVERVIEW OF THE COUNTY’S EXISTING WASTE MANAGEMENT	
6	SYSTEM.....	1-4
7	1.4 BACKGROUND ON THE TAJIGUAS LANDFILL.....	1-7
8	1.5 LEGISLATIVE OVERVIEW	1-11
9	1.6 PROJECT BENEFITS	1-14
10	1.7 PROJECT OBJECTIVES	1-15
11	1.8 PROJECT APPROVALS, PERMITS, AND LEAD, RESPONSIBLE AND	
12	TRUSTEE AGENCIES	1-17
13	1.9 SCOPE AND CONTENT	1-18
14	1.10 MITIGATION MONITORING PLAN.....	1-20
15	1.11 CERTIFICATION OF THE FINAL SUBSEQUENT EIR.....	1-20
16	2.0 SUMMARY	2-1
17	2.1 PROJECT SYNOPSIS	2-1
18	2.2 ALTERNATIVES	2-4
19	2.3 AREAS OF KNOWN CONTROVERSY.....	2-7
20	2.4 SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES	
21	2-8
22	2.5 COMPARISON OF THE ALTERNATIVES.....	2-8
23	2.6 ENVIRONMENTALLY SUPERIOR ALTERNATIVE.....	2-24
24	3.0 PROJECT DESCRIPTION.....	3-1
25	3.1 PROJECT TITLE	3-1
26	3.2 PROJECT PROPONENT AND LEAD AGENCY.....	3-1
27	3.3 PROJECT LOCATION AND SURROUNDING LAND USES	3-1
28	3.4 PROJECT OVERVIEW	3-2
29	3.5 PROJECT COMPONENTS.....	3-9
30	3.6 CUMULATIVE PROJECTS	3-40
31		

		Page
1	TABLE OF CONTENTS (Continued)	
2		
3	4.0 ENVIRONMENTAL IMPACT ANALYSIS.....	4.0-1
4	4.1 VISUAL RESOURCES/AESTHETICS	4.1-1
5	4.2 AIR QUALITY AND GREENHOUSE GAS EMISSIONS	4.2-1
6	4.3 BIOLOGICAL RESOURCES	4.3-1
7	4.4 HAZARDS AND HAZARDOUS MATERIALS.....	4.4-1
8	4.5 GEOLOGIC PROCESSES	4.5-1
9	4.6 CULTURAL RESOURCES.....	4.6-1
10	4.7 NOISE	4.7-1
11	4.8 LAND USE	4.8-1
12	4.9 TRANSPORTATION/CIRCULATION.....	4.9-1
13	4.10 WATER RESOURCES.....	4.10-1
14	4.11 PUBLIC HEALTH/NUISANCE.....	4.11-1
15	4.12 ENVIRONMENTAL JUSTICE.....	4.12-1
16	4.13 IMPACTS NOT CONSIDERED SIGNIFICANT	4.13-1
17	5.0 ALTERNATIVES ANALYSIS	5-1
18	5.1 ALTERNATIVES SELECTION	5-2
19	5.2 ALTERNATIVES IDENTIFIED BUT NOT SUBJECT TO DETAILED ANALYSIS	
20	5-10
21	5.3 ALTERNATIVES SUBJECT TO DETAILED ANALYSIS.....	5-11
22	5.4 COMPARISON OF ALTERNATIVES.....	5-349
23	5.5 ENVIRONMENTALLY SUPERIOR ALTERNATIVE.....	5-363
24	6.0 GROWTH INDUCEMENT.....	6-1
25	6.1 INTRODUCTION.....	6-1
26	6.2 URBANIZATION OF LAND IN ISOLATED LOCALITIES.....	6-1
27	6.3 REMOVAL OF IMPEDIMENT TO GROWTH.....	6-2
28	6.4 ECONOMIC GROWTH	6-2
29	6.5 PRECEDENT SETTING ACTION	6-2
30	6.6 CONCLUSIONS	6-2
31		
32		

TABLE OF CONTENTS (Continued)

1

2 **7.0 REFERENCES..... 7-1**

3 7.1 CITATIONS 7-1

4 7.2 PERSONS AND ORGANIZATIONS CONTACTED 7-12

5 **8.0 PREPARERS OF THIS REPORT..... 8-1**

6 8.1 SANTA BARBARA COUNTY PUBLIC WORKS, RESOURCE RECOVERY AND

7 WASTE MANAGEMENT: LEAD AGENCY 8-1

8 8.2 PADRE ASSOCIATES, INC: EIR CONSULTANT..... 8-1

9 8.3 MUSTANG RENEWABLE POWER VENTURES LLC: VENDOR..... 8-1

10 8.4 JOHN KULAR CONSULTING: SURFACE WATER QUALITY..... 8-1

11 8.5 AECOM: BIOLOGY, AIR QUALITY, GREENHOUSE GASES..... 8-1

12 8.6 HDR ENGINEERING: HYDROLOGY AND HYDRAULICS..... 8-2

13 8.7 URS CORPORATION: NOISE, HAZARDS & HAZARDOUS MATERIALS 8-2

14 8.8 ASSOCIATED TRANSPORTATION ENGINEERS: TRAFFIC..... 8-2

15 8.9 GEOSYNTEC CONSULTANTS: HYDROGEOLOGY 8-2

16 8.10 GEOSOLUTIONS: GEOLOGY..... 8-2

17 8.11 GEO-LOGIC ASSOCIATES: SLOPE STABILITY 8-2

18 8.12 CONEJO ARCHEOLOGICAL CONSULTANTS: CULTURAL RESOURCES 8-2

19 **9.0 RESPONSE TO COMMENTS 9-1**

20 9.1 RESPONSES TO WRITTEN COMMENTS..... 9-1

21 9.2 RESPONSES TO ORAL COMMENTS 9-3

22 9.3 RESPONSES TO COMMENTS RECEIVED BY TELEPHONE 9-401

23 9.4 ADDITIONAL PHOTO-SIMULATIONS..... 9-412

24 9.5 OTHER CHANGES TO THE SUBSEQUENT EIR 9-417

25

LIST OF FIGURES

26

27 **Figure Page**

28 1-1 Hydrocarbon Concentrations in Groundwater 1-21

29 3-1 Regional Location Map 3-46

30 3-2 Vicinity Map..... 3-47

31 3-3 Tajiguas Landfill Site Map 3-49

32 3-4 Project Facilities Plan..... 3-51

TABLE OF CONTENTS (Continued)

LIST OF FIGURES

Figure	Page
3-5 Resource Recovery Project Site Plan	3-53
3-6 Preliminary Grading Plan	3-55
3-7 Resource Recovery Project Flow Chart	3-57
3-8 Preliminary MRF Layout.....	3-59
3-9 Conceptual MRF Elevations.....	3-61
3-10 Preliminary AD Facility Layout	3-63
3-11 Preliminary AD Facility Elevations	3-65
3-12 Preliminary Composting Area Site Plan	3-67
3-13 Cumulative Project Location Map	3-69
3-14 Construction Disturbance and Staging Areas	3-71
4.1-1 Photo-Simulation Location Map	4.1-19
4.1-2 Photo-Simulation View 1	4.1-21
4.1-3 Photo-Simulation View 2	4.1-23
4.1-4 Photo-Simulation View 3	4.1-25
4.1-5 Photo-Simulation View 4	4.1-27
4.1-6 Photo-Simulation View 5	4.1-29
4.1-7 Photo-Simulation View 6	4.1-31
4.1-8 Photo-Simulation View 7	4.1-33
4.1-9 Photo-Simulation View 8	4.1-35
4.2-1 Projected Total Greenhouse Gas Emissions for Current Tajiguas Landfill Conditions	4.2-6
4.2-2 Receptor Locations for the Health Risk Assessment	4.2-40
4.2-3 Receptor Locations for Odor Modeling	4.2-46
4.2-4 Lifetime Comparison of Waste Disposal GHG Emissions.....	4.2-59
4.2-5 Odor Modeling Contours	4.2-63
4.3-1 Vegetation Communities and Rare Plant Locations in the Study Area	4.3-7
4.4-1 Bio-gas Explosion Hazard Area Map	4.4-23
4.5-1 Regional Geological Map	4.5-3
4.5-2 Slope Cross-Sections Location Map	4.5-11
4.7-1 Project Noise Contour Map	4.7-17
4.8-1 Zoning and Land Use Map.....	4.8-37
4.9-1 Baseline Traffic Volumes	4.9-9
4.9-2 Project Trip Distribution and Assignment	4.9-18
4.9-3 Baseline + Project Traffic Volumes	4.9-19
4.9-4 Cumulative Traffic Volumes	4.9-27

TABLE OF CONTENTS (Continued)

LIST OF FIGURES

Figure	Page
4.9-5 Cumulative + Project Traffic Volumes	4.9-28
4.9-6 Year 2036 Traffic Volumes.....	4.9-31
4.9-7 Year 2036 + Project Traffic Volumes	4.9-32
4.10-1 Generalized Schematic of Groundwater Formations	4.10-5
5-1 Alternative Site Location Map	5-13
5-2 Alternative B (MarBorg MRF) Conceptual Grading Plan.....	5-31
5-3 Alternative B (MarBorg MRF) Floor Plan	5-33
5-4 Alternative B (MarBorg MRF) Elevations	5-35
5-5 Alternative B (MarBorg MRF) Model View	5-37
5-6 AD Facility Layout – Alternatives B and C	5-39
5-7 Alternative B (MarBorg MRF) Photo-Simulation Location Map.....	5-41
5-8 Alternative B (MarBorg MRF) Photo-Simulation View 1.....	5-43
5-9 Alternative B (MarBorg MRF) Photo-Simulation View 2.....	5-45
5-10 Alternative B (MarBorg MRF) Photo-Simulation View 3.....	5-47
5-11 Alternative B (MarBorg MRF) Photo-Simulation View 4.....	5-49
5-12 Locations of Receptors used in the Health Risk Assessment at the Alternative B MRF Site.....	5-68
5-13 Modeled Odor Concentrations at the Alternative B MRF Site.....	5-71
5-14 Existing Traffic Noise Contours near the Alternative B MRF Site	5-94
5-15 Existing and Proposed Noise Contours at the Alternative B MRF Site	5-97
5-16 Existing Traffic Volumes near the Alternative B MRF Site	5-115
5-17 Existing + Project Traffic Volumes near the Alternative B MRF Site.....	5-117
5-18 Alternative C – Existing SCRTS Site Plan	5-147
5-19 Alternative C (SCRTS MRF) Site Plan.....	5-149
5-20 Alternative C (SCRTS MRF) Grading Plan	5-151
5-21 Alternative C (SCRTS MRF) Model View.....	5-153
5-22 Alternative C (SCRTS MRF) Oblique Aerial View.....	5-155
5-23 Alternative C (SCRTS MRF) South and East Elevations	5-157
5-24 Alternative C (SCRTS MRF) North and West Elevations.....	5-159
5-25 Alternative C (SCRTS MRF) Photo-Simulation Location Map	5-161
5-26 Alternative C (SCRTS MRF) Photo-Simulation View 1	5-163
5-27 Alternative C (SCRTS MRF) Photo-Simulation View 2	5-165
5-28 Alternative C (SCRTS MRF) Photo-Simulation View 3	5-167
5-29 Alternative C (SCRTS MRF) Photo-Simulation View 4	5-169

TABLE OF CONTENTS (Continued)

LIST OF FIGURES

Figure	Page
5-30 Locations of Receptors used in the Health Risk Assessment at the Alternative C MRF Site.....	5-181
5-31 Modeled Odor Concentrations at the Alternative C MRF Site.....	5-184
5-32 Existing and Proposed Noise Contours at the Alternative C MRF Site.....	5-201
5-33 Baseline Traffic Volumes near the Alternative C MRF Site.....	5-221
5-34 Baseline + Project Traffic Volumes near the Alternative C MRF Site	5-223
5-35 Alternative D (Engel & Gray) Aerial View.....	5-237
5-36 Alternative E (Landfill Expansion) Concept Plan.....	5-269
5-37 Alternative F (SVLRC Export) Location Map.....	5-293
5-38 Alternative F (SVLRC Export) Site Plan.....	5-295
5-39 Alternative G (SMIWMF Export) Location Map	5-325
5-40 Alternative G (SMIWMF Export) Site Plan	5-327
<u>4.1-1 Updated Tajiguas RRP Viewpoint Locations</u>	<u>9-413</u>
<u>9-1 Photo-Simulation View 9.....</u>	<u>9-414</u>
<u>5-25 Updated Alternative C Viewpoint Locations.....</u>	<u>9-415</u>
<u>9-2 Photo-Simulation View 5.....</u>	<u>9-416</u>

LIST OF TABLES

Table	Page
1-1 Source of Waste Disposed at the Tajiguas Landfill (Calendar Year 2009).....	1-6
1-2 Composition of Waste Disposed at the Tajiguas Landfill	1-7
1-3 Summary of Peak Day Solid Waste Received and Vehicles.....	1-8
2-1 Summary of Project-Specific Environmental Impacts and Mitigation Measures	2-25
2-2 Summary of Cumulative Environmental Impacts and Mitigation Measures	2-55
2-3 Summary of Environmental Impacts and Mitigation Measures Associated with Project-related Extension of the Life of the Landfill	2-64
3-1 Project Element Summary	3-5
3-2 Comparison of Permitted and Proposed Project Components.....	3-6
3-3 MRF On-site Mobile Equipment	3-14
3-4 AD Facility and Composting Area On-site Mobile Equipment.....	3-23
3-5 Project Staffing Summary	3-26
4.2-1 Ambient Air Quality Standards	4.2-2
4.2.2 Air Quality Summary for Non-Attainment Pollutants in the Project Area.....	4.2-5

TABLE OF CONTENTS (Continued)

LIST OF TABLES

Table	Page
4.2-3 Ambient Background Concentrations used in the Air Dispersion Modeling	4.2-35
4.2-4 Odor Assessment Receptors	4.2-47
4.2-5 Summary of Construction Air Pollutant Emissions	4.2-47
4.2-6 Summary of Air Pollutant Emissions Associated with Project Operation	4.2-50
4.2-7 Summary of Motor Vehicle Emissions Associated with Project Operation.....	4.2-50
4.2-8 Air Dispersion Modeling Results – NAAQS.....	4.2-52
4.2-9 Air Dispersion Modeling Results – CAAQS.....	4.2-53
4.2-10 Results of Short-Term Scenario Modeling	4.2-54
4.2-11 Summary of the Results of the Health Risk Assessment (TRRP Only)	4.2-56
4.2-12 Summary of the Results of the Health Risk Assessment (Facility-wide).....	4.2-56
4.2-13 Total Greenhouse Gas Emissions during Construction	4.2-57
4.2-14 Summary of Annual GHG Emissions from Project Sources.....	4.2-58
4.2-15 Summary of Lifetime Total GHG Emissions.....	4.2-59
4.2-16 Summary of the Odor Impact Analysis.....	4.2-64
4.3-1 Vegetation Communities within the Study Area and Direct Impact Area	4.3-9
4.3-2 Sensitive Plant Species Known or Potentially Occurring within the Study Area.....	4.3-15
4.3-3 Sensitive Wildlife Species Known to Occur or May Occur within the Project Impact Area.....	4.3-18
4.5-1 Results of the Cut/Fill Slope Stability Analysis.....	4.5-13
4.5-2 Results of the Waste Fill Slope Stability Analysis	4.5-15
4.5-3 Estimated Total Settlement at the MRF/AD Facility Site	4.5-17
4.7-1 Summary of U.S. Highway 101 Traffic Noise Impacts	4.7-11
4.7-2 Reference Noise Levels for Proposed MRF Equipment.....	4.7-13
4.7-3 Reference Noise Levels for Proposed AD Facility Equipment	4.7-14
4.7-4 Reference Noise Levels for Proposed Composting Area Equipment.....	4.7-14
4.7-5 Reference Noise Levels for the Energy Facility – Structural Radiation.....	4.7-15
4.7-6 Reference Noise Levels for the Energy Facility - Exhaust	4.7-15
4.7-7 Summary of Operational Noise Impacts	4.7-16
4.7-8 Summary of Vibration Impacts	4.7-16
4.7-9 Summary of U.S. Highway 101 Cumulative Traffic Noise Impacts	4.7-20
4.8-1 Land Use Summary	4.8-6
4.9-1 U.S. Highway 101: Existing Levels of Service	4.9-2
4.9-2 U.S. Highway 101/Landfill Access Road: Existing Levels of Service	4.9-3
4.9-3 U.S. Highway 101/Landfill Access Road: Available Gaps.....	4.9-5

TABLE OF CONTENTS (Continued)

LIST OF TABLES

Table	Page
4.9-4 U.S. Highway 101/Landfill Access Road: Turn Lanes.....	4.9-5
4.9-5 Historical Landfill Activity.....	4.9-7
4.9-6 U.S. Highway 101/Landfill Access Road: Baseline Levels of Service.....	4.9-8
4.9-7 Trip Generation: Project Construction.....	4.9-12
4.9-8 U.S. Highway 101: Existing + Construction Traffic.....	4.9-13
4.9-9 U.S. Highway 101/Landfill Access Road: Existing + Construction Traffic.....	4.9-13
4.9-10 Project Trip Generation.....	4.9-16
4.9-11 Project Trip Distribution.....	4.9-16
4.9-12 U.S. Highway 101: Baseline + Project Levels of Service.....	4.9-17
4.9-13 U.S. Highway 101/Landfill Access Road: Baseline + Project Levels of Service.....	4.9-20
4.9-14 Permitted Traffic Levels.....	4.9-21
4.9-15 U.S. Highway 101: Cumulative + Project Levels of Service.....	4.9-24
4.9-16 U.S. Highway 101/Landfill Access Road: Cumulative + Project Levels of Service.....	4.9-25
4.9-17 U.S. Highway 101: Year 2036 + Project Levels of Service.....	4.9-26
4.9-18 U.S. Highway 101/Landfill Access Road: Year 2036 + Project Levels of Service.....	4.9-29
4.10-1 Tajiguas Landfill Water Use and Supply.....	4.10-8
4.10-2 Summary of BMPs Implemented at the Tajiguas Landfill.....	4.10-10
4.10-3 Comparison of Peak Storm Flow Rates.....	4.10-22
4.10-4 Composting Facility Run-off Water Quality Data.....	4.10-35
4.12-1 Summary of 2010 Census Data.....	4.12-6
5-1 Summary of Air Pollutant Emissions Associated with Alternative B.....	5-64
5-2 Summary of Motor Vehicle Emissions Associated with Alternative B Operation.....	5-64
5-3 Air Dispersion Modeling Results for the Alternative B MRF Site – NAAQS.....	5-65
5-4 Air Dispersion Modeling Results for the Alternative B MRF Site – CAAQS.....	5-67
5-5 Results of the Health Risk Assessment for the Alternative B MRF Site.....	5-69
5-6 Alternative B GHG Emissions Annual Summary.....	5-70
5-7 Odor Modeling Results at the Alternative B MRF Site.....	5-72
5-8 Alternative B Construction-related Trip Generation.....	5-112
5-9 Alternative B Trip Distribution.....	5-112
5-10 Alternative B Construction Impact Summary: a.m. Peak Hour.....	5-112
5-11 Alternative B Construction Impact Summary: p.m. Peak Hour.....	5-113

TABLE OF CONTENTS (Continued)

LIST OF TABLES

Table	Page
5-12 Alternative B MRF Trip Generation	5-114
5-13 Alternative B Operation Impact Summary: a.m. Peak Hour	5-114
5-14 Alternative B Operation Impact Summary: p.m. Peak Hour	5-114
5-15 Alternative B Cumulative Impact Summary: a.m. Peak Hour	5-120
5-16 Alternative B Cumulative Impact Summary: p.m. Peak Hour	5-121
5-17 Summary of 2010 Census Data for Alternative B	5-133
5-18 SCRTS Operations 2004-2012	5-137
5-19 Summary of Air Pollutant Emissions Associated with Alternative C.....	5-177
5-20 Summary of Motor Vehicle Emissions Associated with Alternative C Operation	5-178
5-21 Air Dispersion Modeling Results for the Alternative C MRF Site – NAAQS	5-179
5-22 Air Dispersion Modeling Results for the Alternative C MRF Site – CAAQS	5-180
5-23 Results of the Health Risk Assessment at the Alternative C MRF Site.....	5-182
5-24 Alternative C GHG Emissions Annual Summary	5-183
5-25 Odor Modeling Results at the Alternative C MRF Site	5-185
5-26 December 2007 Ambient Noise Measurements at the SCRTS Site	5-200
5-27 Alternative C Construction-related Trip Generation	5-216
5-28 Alternative C Existing + Construction Impact Summary.....	5-217
5-29 Alternative C Temporary Traffic Impacts near the MarBorg C&D RTF	5-218
5-30 Alternative C MRF Trip Generation.....	5-219
5-31 Baseline + Alternative C Roadway Operations	5-219
5-32 Alternative C Baseline + Project Intersection Operations Impact Summary	5-220
5-33 Alternative C Cumulative and Cumulative + Project Roadway Operations.....	5-225
5-34 Alternative C Cumulative + Project Impact Summary	5-226
5-35 Summary of 2010 Census Data for Alternative C	5-234
5-36 Summary of Composting Operations at the Engel & Gray Facility.....	5-236
5-37 Summary of Air Pollutant Emissions Associated with Alternative D.....	5-246
5-38 Summary of Motor Vehicle Emissions Associated with Alternative D	5-248
5-39 Alternative D GHG Emissions Annual Summary	5-248
5-40 Summary of 2010 Census Data for Alternative D	5-267
5-41 Changes in MSW Transportation Emissions Associated with Alternative F.....	5-303
5-42 Alternative F Trip Generation	5-314
5-43 Summary of 2010 Census Data for Alternative F.....	5-321
5-44 Changes in MSW Transportation Emissions Associated with Alternative G	5-332
5-45 Alternative G Trip Generation	5-343

1 **TABLE OF CONTENTS (Continued)**

2 **LIST OF TABLES**

3 **Table** **Page**

4 5-46 Comparison of the Impacts of the Alternatives 5-366

5

6 **APPENDICES – VOLUME II**

7 **(INCLUDED ON DISK AT THE END OF THIS DOCUMENT)**

8 A Notice of Preparation

9 B Responses to the Notice of Preparation

10 C Air Quality and Greenhouse Gas Technical Report

11 D Rare Plant Survey Letter Report

12 E Biological Technical Report

13 F Hazards and Hazardous Materials Technical Study

14 G Soils Engineering Report and Engineering Geology Investigation

15 H Slope Stability Evaluation, Compost Management Unit

16 I Phase I Cultural Resources Investigation

17 J Community Noise Technical Study

18 K Traffic and Circulation Study

19 K1 Traffic Memorandum: Alternative C Construction

20 L Hydrology and Hydraulic Analysis Report

21 M Hydrology Assessment of Project Alternatives Technical Memorandum

22 N Surface Water Quality Technical Report

23 O Hydrogeologic and Water Supply Impact Analysis Report

24 P U.S. EPA WARM Model output

25 Q Alternative Site Screening Matrix

26 R Correspondence with MarBorg Industries and Mustang Renewable Power Ventures
27 (vendor)

28 S Cumulative Project Lists for Alternatives B, C and D

29