

**Final
Goleta General Plan/
Coastal Land Use Plan
Environmental Impact Report**

(SCH # 2005031151)

Prepared for:



Planning and Environmental Services Department
130 Cremona Drive, Suite B
Goleta, California 93117

Prepared by:



17310 Red Hill Ave, Suite 320
Irvine, California 92614
949-260-1080
Contact: Charles Smith, AICP

with assistance from

Essentia Management Services LLC
and
JDL Mapping

September 2006

City of Goleta. 2006. Final Goleta General Plan/Coastal Land Use Plan Environmental Impact Report. September. Prepared by Jones and Stokes. Irvine, CA.

CONTENTS

	<u>Page</u>
CHAPTER 1.0 INTRODUCTION	1-1
1.1 PURPOSE OF THIS EIR	1-1
1.2 INTENDED USE OF THIS PROGRAM EIR.....	1-2
1.3 EIR ORGANIZATION.....	1-3
1.3.1 Scope of the EIR	1-3
1.3.2 Required EIR Contents.....	1-4
1.3.3 EIR Organization	1-5
1.4 AVAILABILITY OF THE FINAL EIR	1-5
CHAPTER 2.0 PROJECT DESCRIPTION	2-1
2.1 INTRODUCTION	2-1
2.2 PROJECT LOCATION AND BACKGROUND.....	2-1
2.2.1 Location	2-1
2.2.2 Background	2-2
2.3 OBJECTIVES OF THE GENERAL PLAN / COASTAL LAND USE PLAN	2-2
2.4 GENERAL PLAN / COASTAL LAND USE PLAN COMPONENTS.....	2-2
2.4.1 Land Use Element.....	2-3
2.4.2 Open Space Element.....	2-4
2.4.3 Conservation Element	2-5
2.4.4 Safety Element	2-6
2.4.5 Visual and Historical Resources Element.....	2-7
2.4.6 Transportation Element	2-7
2.4.7 Public Facilities Element.....	2-8
2.4.8 Noise Element	2-10
2.4.9 Housing Element	2-10
2.5 PUBLIC PARTICIPATION	2-11
2.5.1 General Plan/Coastal Land Use Plan	2-11
2.5.2 Program EIR.....	2-11
2.6 CHANGES TO THE GP/CLUP	2-11
CHAPTER 3.0 ENVIRONMENTAL SETTING, IMPACTS, AND MITIGATION	3-1
3.01 INTRODUCTION TO PROJECT IMPACT ANALYSIS.....	3-1
3.02 ORGANIZATION OF ENVIRONMENTAL ANALYSIS	3-1
3.02.1 Existing Conditions	3-1
3.02.2 Regulatory Framework	3-2
3.02.3 Project Impacts and Mitigation.....	3-2
3.03 REQUIREMENTS FOR CUMULATIVE IMPACT ANALYSIS	3-3
3.03.1 Evaluation.....	3-4
3.1 AESTHETICS AND VISUAL RESOURCES	3.1-1
3.1.1 Existing Conditions	3.1-1
3.1.2 Regulatory Framework	3.1-4
3.1.3 Project Impacts and Mitigation.....	3.1-6
3.2 AGRICULTURE AND FARMLAND	3.2-1
3.2.1 Existing Conditions	3.2-1
3.2.2 Regulatory Framework	3.2-9
3.2.3 Project Impacts and Mitigation.....	3.2-11

3.3	AIR QUALITY	3.3-1
3.3.1	Existing Conditions	3.3-1
3.3.2	Regulatory Framework	3.3-8
3.3.3	Project Impacts and Mitigation.....	3.3-11
3.4	BIOLOGICAL RESOURCES	3.4-1
3.4.1	Existing Conditions	3.4-1
3.4.2	Regulatory Framework	3.4-14
3.4.3	Project Impacts and Mitigation.....	3.4-17
3.5	CULTURAL RESOURCES (INCLUDES PALEONTOLOGICAL RESOURCES)	3.5-1
3.5.1	Existing Conditions	3.5-1
3.5.2	Regulatory Framework	3.5-7
3.5.3	Project Impacts and Mitigation.....	3.5-11
3.6	GEOLOGY, SOILS, AND MINERAL RESOURCES	3.6-1
3.6.1	Existing Conditions	3.6-1
3.6.2	Regulatory Framework	3.6-4
3.6.3	Project Impacts and Mitigation.....	3.6-6
3.6.4	Residual Impacts	3.6-14
3.7	HAZARDS AND HAZARDOUS MATERIALS	3.7-1
3.7.1	Existing Conditions	3.7-1
3.7.2	Regulatory Framework	3.7-9
3.7.3	Project Impacts and Mitigation.....	3.7-13
3.8	POPULATION AND HOUSING	3.8-1
3.8.1	Existing Conditions	3.8-1
3.8.2	Regulatory Framework	3.8-10
3.8.3	Project Impacts and Mitigation.....	3.8-12
3.9	WATER RESOURCES	3.9-1
3.9.1	Existing Conditions	3.9-1
3.9.2	Regulatory Framework	3.9-7
3.9.3	Project Impacts and Mitigation.....	3.9-12
3.10	LAND USE AND RECREATION	3.10-1
3.10.1	Existing Conditions	3.10-1
3.10.2	Regulatory Framework	3.10-7
3.10.3	Project Impacts and Mitigation.....	3.10-12
3.11	NOISE.....	3.11-1
3.11.1	Existing Conditions	3.11-1
3.11.2	Regulatory Framework	3.11-11
3.11.3	Project Impacts and Mitigation.....	3.11-14
3.12	PUBLIC SERVICES AND UTILITIES.....	3.12-1
3.12.1	Existing Conditions	3.12-1
3.12.2	Regulatory Framework	3.12-7
3.12.3	Project Impacts and Mitigation.....	3.12-8

3.13 TRANSPORTATION AND CIRCULATION	3.13-1
3.13.1 Existing Conditions	3.13-1
3.13.2 Regulatory Framework	3.13-8
3.13.3 Project Impacts and Mitigation.....	3.13-9
CHAPTER 4.0 FUTURE CITY SERVICE AREA/SPHERE OF INFLUENCE	4-1
4. 1 VISUAL RESOURCES	4-2
4.1.1 Existing Conditions	4-2
4.1.2 Regulatory Framework	4-3
4.1.3 Service Area Impacts and Mitigation	4-3
4.2 AGRICULTURE AND FARMLAND	4-5
4.2.1 Existing Conditions	4-5
4.2.2 Regulatory Framework	4-6
4.2.3 Service Area Impacts and Mitigation	4-6
4.3 AIR QUALITY	4-7
4.3.1 Existing Conditions	4-7
4.3.2 Regulatory Framework	4-7
4.3.3 Service Area Impacts and Mitigation	4-8
4.4 BIOLOGICAL RESOURCES	4-9
4.4.1 Existing Conditions	4-9
4.4.2 Regulatory Framework	4-10
4.4.3 Service Area Impacts and Mitigation	4-11
4.5 CULTURAL RESOURCES	4-12
4.5.1 Existing Conditions	4-12
4.5.2 Regulatory Framework	4-14
4.5.3 Service Area Impacts and Mitigation	4-14
4.6 GEOLOGY, SOILS, AND MINERAL RESOURCES	4-15
4.6.1 Existing Conditions	4-15
4.6.2 Regulatory Framework	4-17
4.6.3 Service Area Impacts and Mitigation	4-18
4.7 HAZARDS AND HAZARDOUS MATERIALS	4-22
4.7.1 Existing Conditions	4-22
4.7.2 Regulatory Framework	4-22
4.7.3 Project Impacts and Mitigation.....	4-23
4.8 POPULATION AND HOUSING	4-27
4.8.1 Existing Conditions	4-27
4.8.2 Regulatory Framework	4-29
4.8.3 Project Impacts and Mitigation.....	4-29
4.9 WATER RESOURCES	4-31
4.9.1 Existing Conditions	4-31
4.9.2 Regulatory Framework	4-31
4.9.3 Service Area Impacts and Mitigation	4-32
4.10 LAND USE AND RECREATION.....	4-33
4.10.1 Existing Conditions	4-33
4.10.2 Regulatory Framework	4-34
4.10.3 Project Impacts and Mitigation.....	4-34
4.11 NOISE.....	4-36
4.11.1 Existing Conditions	4-36
4.11.2 Regulatory Framework	4-37
4.11.3 Project Impacts and Mitigation.....	4-37
4.12 PUBLIC SERVICES AND UTILITIES.....	4-38
4.12.1 Existing Conditions	4-38

4.12.2 Regulatory Framework	4-38
4.12.3 Project Impacts and Mitigation.....	4-39
4.13 TRANSPORTATION AND CIRCULATION	4-40
4.13.1 Existing Conditions	4-40
4.13.2 Regulatory Framework	4-41
4.13.3 Project Impacts and Mitigation.....	4-41
CHAPTER 5.0 ALTERNATIVES TO THE PROPOSED PROJECT	5-1
5.1 INTRODUCTION	5-1
5.1.1 Introduction.....	5-1
5.1.2 Rationale for Selecting the Alternatives	5-1
5.2 ALTERNATIVES CONSIDERED BUT REJECTED	5-1
5.2.1 Environmental Vitality Alternative	5-2
5.2.2 Economic Stability Alternative	5-2
5.2.3 Economic Center Alternative	5-2
5.2.4 Housing Needs Alternative	5-3
5.3 ALTERNATIVES ANALYZED IN THE EIR	5-3
5.3.1 No Project Alternative.....	5-3
5.3.2 Reduced Development Scenario 1 (Alternative 1).....	5-4
5.3.3 Reduced Development Scenario 2 (Alternative 2).....	5-4
5.4 ALTERNATIVES IMPACT SUMMARY	5-4
5.4.1 Aesthetics and Visual Resources	5-4
5.4.2 Agriculture and Farmland	5-5
5.4.3 Air Quality	5-6
5.4.4 Biological Resources	5-8
5.4.5 Cultural Resources	5-8
5.4.6 Geology, Soils, and Mineral Resources.....	5-9
5.4.7 Hazards and Hazardous Materials	5-10
5.4.8 Population and Housing.....	5-12
5.4.9 Water Resources	5-13
5.4.10 Land Use and Recreation	5-14
5.4.11 Noise	5-15
5.4.12 Public Services and Utilities.....	5-16
5.4.13 Transportation and Circulation.....	5-16
5.5 ENVIRONMENTALLY SUPERIOR ALTERNATIVE.....	5-21
CHAPTER 6.0 OTHER CEQA CONSIDERATIONS	6-1
6.1 SIGNIFICANT ENVIRONMENTAL EFFECTS	6-1
6.2 SIGNIFICANT ENVIRONMENTAL EFFECTS THAT CANNOT BE AVOIDED	6-1
6.2.1 Aesthetics and Visual Resources	6-1
6.2.2 Agriculture and Farmland	6-1
6.2.3 Air Quality	6-2
6.2.4 Hazards and Hazardous Materials	6-2
6.2.5 Noise	6-2
6.3 SIGNIFICANT IRREVERSIBLE ENVIRONMENTAL EFFECTS	6-3
6.4 GROWTH-INDUCING IMPACTS.....	6-3
6.4.1 Evaluation.....	6-4
6.5 MITIGATION MEASURES PROPOSED TO MINIMIZE SIGNIFICANT EFFECTS	6-5
CHAPTER 7.0 LIST OF PREPARERS.....	7-1
7.1 CITY OF GOLETA	7-1
7.2 JONES & STOKES	7-1
7.3 SUBCONSULTANTS.....	7-2

7.3.1	Essentia Management LLC	7-2
7.3.2	JDL Mapping	7-2
7.3.3	Brian R. Baca	7-2
CHAPTER 8.0	REFERENCES	8-1
3.0	ENVIRONMENTAL SETTING, IMPACTS, AND MITIGATION	8-1
3.1	Aesthetics and Visual Resources	8-1
3.2	Agriculture and Farmland	8-1
3.3	Air Quality	8-1
3.4	Biological Resources	8-2
3.5	Cultural Resources	8-2
3.6	Geology, Soils, and Mineral Resources.....	8-5
3.7	Hazards and Hazardous Materials	8-6
3.8	Population and Housing.....	8-7
3.9	Water Resources	8-8
3.10	Land Use and Recreation	8-9
3.11	Noise	8-9
3.12	Public Service and Utilities	8-9
3.13	Transportation and Circulation.....	8-10
4.0	SERVICE AREAS	8-10
4.7	Hazards and Hazardous Materials	8-10
4.10	Land Use and Recreation	8-11
4.13	Transportaion	8-11

APPENDIX A. NOTICE OF PREPARATION**APPENDIX B. WATER SUPPLY ASSESSMENT****APPENDIX C. TRAFFIC FINAL FORECAST REPORT****APPENDIX D. MITIGATION MONITORING AND REPORTING PLAN****APPENDIX E. RESPONSES TO COMMENTS**

TABLES

<u>Table</u>		<u>Page</u>
1-1	Required EIR Contents	1-4
2-1	Estimated Maximum Housing Buildout	2-4
2-2	Estimated Maximum Commercial And Industrial Buildout.....	2-4
2-3	Planned New Parks And Open Spaces	2-5
2-4	Summary Of Environmentally Sensitive Habitats.....	2-6
2-5	Major Planned Street And Highway Improvement Projects	2-9
3-1	Cumulative City of Santa Barbara, County of Santa Barbara, and UCSB Development Projects as of April 2006	3-5
3.2-1	Santa Barbara County Summary and Change by Land Use Category 2002-2004	3.2-3
3.2-2	Summary of City of Goleta Major Agricultural and Farmland Resources	3.2-6
3.2-3	Existing Agriculture Lands and Impacts from Proposed Land Use	3.2-15
3.3-1	Ambient Air Quality Standards.....	3.3-4
3.3-2	Summary of Air Quality Data at Goleta Monitoring Station	3.3-7
3.3-3	Estimate of Average Daily Emissions By Major Source Category for Santa Barbara County—Year 2004 (Tons).....	3.3-11
3.3-4	Recommendations on Siting New Sensitive Land Uses	3.3-18
3.3-5	Comparison of 2030 VMT Projections	3.3-19
3.4-1	Habitat Types in the City of Goleta	3.4-3
3.4-2	Special-Status Species Associated with Habitats in the City	3.4-11
3.4-3	GP/CLUP Policies Relevant to Preservation of and Mitigation of Impacts to Biological Resources.....	3.4-20
3.4-4	Summary of Impacts to Biological Resources by Type, Source, and Class.....	3.4-24
3.4-5	Habitat Type Associations of City of Goleta Special Status Species	3.4-30
3.5-1	Geologic Formations with Potential Paleontological Resources	3.5-7
3.6.1	Potentially Significant (Long-Term) Impact Summary	3.6-11
3.8-1	SBCAG Population projections	3.8-2
3.8-2	US Census Estimated Daytime Population and Employment-Residence Ratios (2000) 3.8-5	3.8-5
3.8-3	2005 Housing Estimates	3.8-6
3.8-4	Regional Housing Needs Allocation (RHNA) for Goleta (2001-2009)	3.8-9
3.8-5	Summary of Remaining Regional Housing Needs (2006 to 2009).....	3.8-10
3.8-6	Summary of Housing Unit Potential in Goleta	3.8-10
3.8-7	City of Goleta General Plan/Goleta Land Use Plan	3.8-16
3.9-1	Water Supply Sources and Amounts Available during a Normal Year, a Single Dry Year, and Multiple Dry Years.....	3.9-6

3.9-2	Current and Projected Water Demands (AFY) by the District and the City during a Normal Year, a Critical Dry Year, and Multiple Dry Years	3.9-7
3.9-3	Projected District Water Demands and Supplies (AFY) in Normal, Critical Dry, and Multiple Dry Years	3.9-17
3.10-1	Existing Land Use Category (2005)	3.10-4
3.10-2	Existing Parks and Open Space Areas	3.10-8
3.10-3	Planned Recreational Facilities, Parks and Open Spaces	3.10-17
3.11-1	Traffic Noise Modeling Results	3.11-4
3.11-2	Activity Forecast Summary for Santa Barbara Airport.....	3.11-8
3.11-3	Measurement Results Summary for Santa Barbara Airport	3.11-8
3.11-4	Field Noise Measurements at Noise Sensitive Locations	3.11-10
3.11-5	Summary of California Noise Laws and Regulations	3.11-14
3.11-6	Construction Equipment Noise Emission Levels.....	3.11-17
3.12-1	Fire Station Service Characteristics, 2005	3.12-3
3.12-2	Current Wastewater Treatment Design and Permit Capacity Breakdown.....	3.12-6
3.13-1	Highway Average Annual Daily Traffic (AADT).....	3.13-2
3.13-2	Existing PM Peak Hour Volumes on Arterial Roadways	3.13-3
3.13-3	Existing Intersection LOS.....	3.13-4
3.13-4	Existing LOS on Arterial Roadways	3.13-6
3.13-5	City of Goleta LOS Significance Thresholds	3.13-10
3.13-6	LOS Criteria for Stop-Controlled Intersections.....	3.13-17
3.13-7	LOS Criteria for Signalized Intersections	3.13-18
3.13-8	Roadway Segment LOS Thresholds.....	3.13-18
3.13-9	Intersection LOS—Proposed Project (2030 Buildout)	3.13-21
3.13-10	LOS on Arterial Roadways—Proposed Project (2030 Buildout)	3.13-23
3.13-11	Recommended Major Infrastructure Improvements	3.13-24
3.13-12	Recommended Intersection Improvements	3.13-25
3.13-13	Intersection LOS—Proposed Project with Recommended Transportation Improvements	3.13-26
3.13-14	LOS on Arterial Roadways—Proposed Project with Recommended Transportation Improvements	3.13-29
4.4-1	Habitat Types in The Potential Future Service Areas	4-10
5-1	Project and Alternative Land Use Scenarios.....	5-3
5-2	Intersection LOS 2030 No Project Alternative—Existing Transportation Network	5-17
5-3	Intersection LOS—2030 Reduced development scenario 1 (Alternative 1).....	5-18
5-4	Intersection LOS—2030 reduced development scenario 2 (Alternative 2).....	5-20

FIGURES

<u>Figure</u>	<u>Follows Page</u>
2-1 Project Vicinity Map	2-2
2-2 Coastal Zone Boundary	2-2
2-3 Proposed Land Use Map and Existing Vacant Sites.....	2-4
3.1-1 Public Viewpoints.....	3.1-2
3.1-2 City Subareas	3.1-2
3.2-1 Existing Agricultural Lands and Proposed Land Use Designations.....	3.2-4
3.2-2 Existing Williamson Act Lands and Important Farmland Types	3.2-4
3.2-3 Soil Types	3.2-6
3.4-1 Habitat Types.....	3.4-2
3.4-2 Special-Status Species and Environmentally Sensitive Habitat Areas.....	3.4-10
3.5-1 Historic Resources.....	3.5-6
3.6-1 General Geologic Map	3.6-2
3.6-2 Fault Map.....	3.6-4
3.6-3 Compressible Soils	3.6-4
3.6-4 Topography and Landslides.....	3.6-10
3.6-5 Radon Hazard Map.....	3.6-10
3.7-1 Hazards and Hazardous Materials.....	3.7-2
3.7-2 Listed Hazardous Wastes Sites by Area.....	3.7-8
3.8-1 Sites Suitable for Residential Development.....	3.8-18
3.9-1 Goleta Groundwater Basin and Subbasins	3.9-2
3.9-2 Flood and Tsunami Hazards Map	3.9-4
3.10-1 Existing Land Uses	3.10-2
3.10-2 Vacant Sites and Proposed Land Use Designations.....	3.10-4
3.10-3 Existing and Planned Parks	3.10-8
3.10-4 Proposed Land Use Map	3.10-16
3.11-1 Existing (2005) Noise Contours—Roadways	3.11-2
3.11-2 Existing (2005) Noise Contours—Airport and Railroad	3.11-4
3.11-3 Future Noise Contours—Roadways (2030)	3.11-18
3.11-4 Future Noise Contours—Airport (2025) and Railroad (2030).....	3.11-20
3.12-1 Public Facilities	3.12-2
3.13-1 Functional Street Classification and Key Intersections	3.13-4
3.13-2 Existing and Projected Future Traffic Volumes	3.13-4
3.13-3 Public Transportation System	3.13-6

3.13-4 Pedestrian System Plan.....	3.13-8
3.13-5 Bikeways Plan Map.....	3.13-8
3.13-6 Proposed Transportation Improvement Plan	3.13-26
4-1 Future Service Areas	4-2
5-1 No Action Alternative	5-4
5-2 Land Use Plan Alternative 1—Reduced Development.....	5-4
5-3 Land Use Plan Alternative 2—Reduced Development.....	5-4

ACRONYMS

µg/m ³	micrograms per cubic meter
AADT	Average Annual Daily Traffic
ACM	asbestos-containing material
ACOE	U.S. Army Corps of Engineers
AG-I	Agriculture I
AG-II	Agriculture II
AHM	acutely hazardous materials
AIA	airport influence area
AIA	Area of Influence
ALUC	Airport Land Use Commission
ALUP	Airport Land Use Plan
ANSI	American National Standards Institute
APCD	Air Pollution Control District
APD	agricultural production district
ATCT	airport traffic control tower
B&K	Brue & Kjaer
BLEVE	boiling liquid expanding vapor explosions
BMP	Best Management Practice
C-1	Limited Commercial
C-3	General Commercial
CAAQS	California Ambient Air Quality Standards
CAL/EPA	California Environmental Protection Agency
Caltrans	California Department of Transportation
CAP	Clean Air Plan
CARB	California Air Resources Board
CCA	California Coastal Act
CCAA	California Clean Air Act
CCR	California Code of Regulations
CDF	California Department of Forestry and Fire Protection
CDP	Census Defined Place
CEC	Community Environmental Council
CEQA	California Environmental Quality Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Act Information System
CESQG	Conditionally Exempt Small Quantity Generator
CFR	Code of Federal Regulations
CFR	Code of Federal Regulations
CHP	California Highway Patrol
CMP	Congestion Management Program
CNDDDB	California Natural Diversity Database
CNEL	community noise equivalent level
CNPS	California Native Plant Society
CO	Carbon Monoxide
CRHR	California Register of Historical Resources
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
CZMA	Coastal Zone Management Act
dB	decibel
dBA	A-Weighted Decibel
DFG	California Department of Fish and Game
DHL	Designated Historical Landmarks
DR	Design Residential
DTSC	Department of Toxic Substances Control
EDR	Environmental Data Resources

EIR	environmental impact report
ELF	extremely low frequency
EMF	Electromagnetic field
EOF	Ellwood Oil & Gas Processing Facility
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-To-Know Act
ESHA	Environmentally Sensitive Habitat Areas
FAA	Federal Aviation Administration
FAR	Federal Aviation Regulations
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FIRM	Flood Insurance Rate Map
FPD	Fire Prevention Division
General Permit	General Permit for Storm Water Discharges Associated with Construction Activity
GSD	Goleta Sanitary District
GUSD	Goleta Unified School District
GWD	Goleta Water District
H ₂ S	Hydrogen Sulfide
H ₂ S-low	sweet
H ₂ S-rich	raw sour
HBC	Home-Based College
HCM	Highway Capacity Manual
HMBP	Hazardous Materials Business Plan
HO	Home to Other
HSWA	Hazardous and Solid Waste Amendments
HUD	U.S. Department of Housing and Urban Development
HW	Home to Work
Hz	hertz
ICU	Intersection Capacity Utilization
INM	Integrated Noise Model
LCC	Land Capability Classification
LCP	Local Coastal Plan
L _{dn}	Day-Night Level
LEPC	Local Emergency Planning Committee
L _{eq}	equivalent sound level
L _{max}	Maximum sound level
L _{min}	Minimum sound level
LOS	level of service
LPG	liquefied petroleum gas
LUFT	leaking underground fuel tank
LUP	Land Use Plan
L _{xx}	Percentile-exceeded sound level
MPO	Metropolitan Planning Organization
msl	mean sea level
MTD	Metropolitan Transit District
NAAQS	National Ambient Air Quality Standards
NCA	Noise Control Act
NFIP	National Flood Insurance Program
NGL	natural gas liquids
NHB	Non-Home-Based
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
NO ₂	Nitrogen Dioxide
NOP	Notice of Preparation
NPDES	National Pollutant Discharge Elimination System

NPL	National Priorities List
NRHP	National Register of Historic Places
O ₃	Ozone
OFS	Office of Emergency Services
OH	Other to Home
OPR	State Office of Planning and Research
PAH	polynuclear aromatic hydrocarbons
Pb	Lead
PM ₁₀	Suspended Particulate Matter
PM _{2.5}	Fine Particulate Matter
Porter-Cologne Act	Porter-Cologne Water Quality Control Act of 1969
ppm	parts per million
PRD	Planned Residential Development
PSD	Protection Service Division
PU	Public Works, Utilities and Private Service Facilities
QRA	quantitative risk assessment
R-1/E-1	Single Family Residential
RCRA	Resource Conservation and Recovery Act
REC	Recreation
RHNA	Regional Housing Needs Allocation
RMPP	Risk Management and Prevention Program
ROC	reactive organic compound
ROW	right-of-way
RR	Residential Ranchette
RWQCB	Regional Water Quality Control Board
SARA	Superfund Amendments and Reauthorization Act
SBCAG	Santa Barbara County Association of Governments
SBCAPCD	Santa Barbara County Air Pollution Control District
SBHSD	Santa Barbara High School District
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SCFD	standard cubic feet per day
SERC	State Emergency Response Commission
SHBC	State Historical Building Code
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan
SMU	Site Mitigation Unit
SO ₂	Sulfur Dioxide
SO ₄	Sulfates
SPCC	Spill Prevention Contingency, and Countermeasures
SPRR	Southern Pacific Railroad
SR-217	State Route 217
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAZ	Transportation Analysis Zones
TCM	Transportation Control Measures
TDC	transfer of development credits
TDR	Transfer of development rights
TRU	transport refrigeration units
UCSB	University of California at Santa Barbara
UPRR	Union Pacific Railroad
US-101	U.S. Highway 101
USC	United States Code
USDA	United States Department of Agriculture
USEPA	US Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service

UST	underground storage tank
V/C	Volume to capacity ratio
V/m	volts per meter
VMT	vehicle miles traveled
VOC	Volatile organic compounds
WDR	Waste Discharge Requirement
WH	Work to Home

This page intentionally left blank