

Tranquillon Ridge Oil and Gas Development Project Final Environmental Impact Report

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Tranquillon Ridge Oil and Gas Development Project
Final Environmental Impact Report

List of Abbreviations and Acronyms

ADT	Average Daily Traffic
AADT	Annual Average Daily Trips
AADT	Annual Average Daily Traffic
AAPL	All American Pipeline
AFY	acre-feet/year
ANSI	American National Standards Institute
APCD	Air Pollution Control District
API	American Petroleum Institute
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
ATC	Authority to Construct
AQAP	Air Quality Attainment Plan
Bbls	barrels
BMP	best management practices
Bod	biological oxygen demand
bpd	barrels per day
BTEX	benzene, toluene, ethylbenzene and xylenes
CAAQS	California Air Quality Standards
CalCOFI	California Cooperative Oceanic Fisheries Investigations
CaMP	California Monitoring Program
CAMP	California Offshore Monitoring Program
CAP	Clean Air Plan
CARB	California Air Resources Board
CCAA	California Clean Air Act
CCC	California Coastal Commission
CCCCS	Central California Coastal Circulation Study
CCIC	Central Coastal Information Center
CCMP	California Coastal Management Program
CCPS	Center for Chemical Process Safety
CDFG	California Department of Fish and Game
CDMG	California Division of Mines and Geology
CDOGGR	California Division of Oil, Gas, and Geothermal Resources
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
cfs	cubic feet per second
CH ₄	Methane
CHL	California State Historic Landmark
CINMS	Channel Islands National Marine Sanctuary
CNDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level

List of Abbreviations and Acronyms (continued)

CNPS	California Native Plant Society
CO	carbon monoxide
CO ₂	carbon dioxide
COOGER	California Offshore Oil and Gas Energy Resources
CPFV	commercial passenger fishing vessel
CSFM	California State Fire Marshal
CSLC	California State Lands Commission
CSC	California Species of Concern
CV	check valve
CWA	Clean Water Act
CZARAA	Coastal Zone Act Reauthorization Amendments
CZM	Coastal Zone Management
CZMA	Coastal Zone Management Act
dB	decibel
dBA	decibel A-weighted
DFG	Department of Fish and Game
DOCD	Development Operations Coordination Documents
DOGGR	Division of Oil, Gas, and Geothermal Resources
DOT	Department of Transportation
DPP	Development and Production Plan
EDL	elevated data levels
EFH	Essential Fish Habitat
EIR	Environmental Impact Report
EIS	Environmental Impact Study
ERD	extended-reach drilling
ERL	effects range-low
ERM	effects range-medium
ERP	Emergency Response Plan
ERPG	Emergency Response Planning Guidelines
ERW	electric resistance weld
ESA	Endangered Species Act
ESD	emergency shutdown
ESE	Entire Source Emissions
<u>ESU</u>	<u>Evolutionarily Significant Unit</u>
FAA	Federal Aviation Administration
FBE	Fusion bonded epoxy
FDP	Final Development Plan
FHWA	Federal Highway Administration
FMC	Fishery Management Council
FMP	Fishery Management Plan
FSC	Federal Species of Concern
FT	flow transmitter
FWKO	Free Water Knock-Out
FWPCA	Federal Water Pollution Control Act
GHG	greenhouse gases

List of Abbreviations and Acronyms (continued)

Gpd	Gallons per day
H ₂ S	hydrogen sulfide
HAP	Hazardous Air Pollutants
<u>Hg</u>	<u>Mercury</u>
hp	horse power
HS&P	Heating, Separation and Pumping [Facility]
<u>HVL</u>	<u>Highly Volatile Liquids</u>
IC	Incident Commander
IRI	Industrial Risk Insurers
JRP	Joint Review Panel
kV	kilovolt
LCP	Local Coastal Program
LOGP	Lompoc Oil and Gas Plant
LOS	Level of Service
LPG	Liquefied petroleum gas
LTS	low temperature separation
m	meters
<u>M</u>	<u>million</u>
MAOP	maximum allowable operating pressure
mbd	thousand barrels per day
MCE	Maximum Credible Earthquakes
MGD	million gallons per day
mg/kg	milligrams per kilogram
MLLW	mean lower low water
mm	millimeters
MMPA	Marine Mammals Protection Act
MMS	Minerals Management Service
mmscfd	million standard cubic feet per day
MMTCE	million metric tons of carbon equivalent
MOV	motor actuated valve
mph	miles per hour
MSFCMA	Magnuson-Stevens Fishery Conservation and Management Act
N ₂ O	nitrous oxide
NAAQS	National Air Quality Standards
NACE	National Association of Corrosion Engineers
NAROC	Non-Alkaline Reactive Organic Compounds
NDBC	NOAA Data Buoy Center
NEC	National Electric Code
NEPA	National Environmental Policy Act
NFPA	National Fire Protection Association
NGL	natural gas liquids
NHL	National Historic Landmark
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
NO	nitric oxide

List of Abbreviations and Acronyms (continued)

NO ₂	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NOP	Notice of preparation
NO _x	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
NS&T	National Status and Trends
O ₃	ozone
OCS	Outer Continental Shelf
OCSLA	Outer Continental Shelf Lands Act
OD	outer diameter
OPA	Oil Pollution Act
OPS	Office of Pipeline Safety
OPUS	Organization of Persistent Upwelling Structures
OSCP	Oil Spill Contingency Plan
OSMB	Offshore Santa Maria Basin
OSPR	Oil Spill Prevention and Response
OSRA	Oil Spill Risk Analysis
OSRP	Oil Spill Response Plan
PAH	poly-aromatic hydrocarbons
PANGL	Point Arguello Natural Gas Pipeline
PAPCO	Point Arguello Pipeline Company
pCi/L	picoCurries/liter
PEL	probable effects level
PLC	Programmable Logic Controller
PM	particulate matter
POPCO	Pacific Offshore Pipeline Company
ppb	parts per billion
ppm	parts per million
psig	pounds per square inch
PT	pressure transmitter
PTO	Permit to Operate
PXP	<u>Plains Exploration and Production Company</u>
ROC	reactive organic compounds
ROG	reactive organic gases (see ROC)
ROP	Rate of Progress Plan
ROW	right of way
RTU	Remote Terminal Unit
RVP	Reid vapor pressure
RWQCB	Regional Water Quality Control Board
SBCAPCD	Santa Barbara County Air Pollution Control District
SBC	Santa Barbara County
SBCh	Santa Barbara Channel
SBCFD	Santa Barbara County Fire Department
SBCP&D	Santa Barbara County Planning & Development Department

List of Abbreviations and Acronyms (continued)

SCADA	supervisory control and data acquisition system
SCCAB	South Central Coast Air Basin
SCCPA	South Coast Consolidation Planning Area
SCGC	Southern California Gas Company (aka The Gas Company)
SDV	shutdown valve
SEIR	Supplemental Environmental Impact Report
SFA	Sustainable Fisheries Act
SFSCC	Santa Fe Springs Control Center
SIMQAP	Safety Inspection, Maintenance and Quality Assurance Program
SLC	(California) State Lands Commission
SLOB	San Luis Obispo Bay
SMB	Santa Maria Basin
SMW	State Mussel Watch
SO ₂	sulfur dioxide
SOO	Suspension of Operation
SOP	Suspension of Production
SO _x	oxides of sulfur
SPCC	Spill Prevention Control and Countermeasures
SPCP	Spill Prevention and Cleanup Plan
SSLO	South San Luis Obispo
SSRRC	System Safety and Reliability Review Committee
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resource Control Board
TAC	Toxic Air Contaminants
TDS	total dissolved solids
TEL	threshold effects level
TOC	total oxygen content
TMDL	Total Maximum Daily Load
TMP	Traffic Management Plan
UCSB	University of California – Santa Barbara
UFC	Uniform Fire Code
UNOCAP	Unocal California Pipeline Company
USDOI	U.S. Department of Interior
USEPA	U. S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USMR	Unocal Santa Maria Refinery
VAFB	Vandenberg Air Force Base
VCE	vapor cloud explosion
WDP	Waste Discharge Permit
WIS	Wave Information Study
YOY	young of the year