

## Commonly used Oil and Gas related Acronyms and Abbreviations

AAPL	All American Pipeline
AAQS	Ambient Air Quality Standards
APCD	Air Pollution Control District
API	American Petroleum Institute
AQ	Air Quality
AQMD	Air Quality Management District
ARB	Air Resources Board
AQAP	Air Quality Attainment Plan
bbls	barrels
bctd	billion cubic feet per day
BMP's	Best Management Practices
BO	Biological Opinion
BOD	Biological Oxygen Demand
BOP	Blow-Out Prevention
bpd	barrels per day
bph	barrels per hour
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
BTU	British Thermal Unit
bwpd	barrels of water per day
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CAAQS	California Air Quality Standards
CAER	Community Awareness and Emergency Response
COMP	California Offshore Monitoring Program
CARB	California Air Resources Board
CCA	California Coastal Act
CCC	California Coastal Commission
CCMP	California Coastal Management Program
CDFG	California Department of Fish and Game
CDMG	California Department of Mines and Geology
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CLUP	Coastal Land Use Plan
CNG	compressed natural gas
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
COOGER	California Offshore Oil and Gas Energy Resources
CPF	Carpinteria Oil and Gas Processing Facility
CPU	Cavern Point Unit
CSLC	California State Lands Commission

CUP	Conditional Use Permit
CZMA	Coastal Zone Management Act
DO	dissolved oxygen
DOGGR	California Division of Oil, Gas and Geothermal Resources
DPP	Development and Production Plan
EA	Environmental Assessment
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EMT	Ellwood Marine Terminal
EOF	Ellwood Onshore Oil and Gas Facility
EPA	Environmental Protection Agency
ERD	Extended Reach Drilling
ERNS	Emergency Response Notification System
ESA	Endangered Species Act
FDP	Final Development Plan
FERC	Federal Energy Regulatory Commission
FMC	Fishery Management Council
fps	feet per second
FRSB	Fast Response Spill Boat
FSRU	Floating Storage and Regasification Unit
FT	Flow Transmitter
GHG	Greenhouse Gases
GNOME	General NOAA Oil Modeling Environment
H <sub>2</sub> S	hydrogen sulfide
HAP's	Hazardous Air Pollutants
HARP	Hot Spots Analysis and Reporting Program
HAZMAT	Hazardous Materials Response Division of NOAA
HLID	Hydrocarbon Leak and Ignition Database
HEA	Habitat Equivalency Analysis
ICS	Incident Command System
IIRT	Initial Incident Response Team
IMO	International Maritime Organization
JRP	Joint Review Panel
LNG	Liquified Natural Gas
LPG	Liquified Petroleum Gas
LRDP	Long Range Development Plan
MARSEC	Maritime Security
MAWP	Maximum Allowable Water Pressure
mbd	thousand barrels per day
MCE	Maximum Credible Earthquakes
mgd	million gallons per day

mgy	million gallons per year
MLLW	Mean Lower Low Water
MM	Mitigation Measure
mmcfd	million cubic feet day
MMCRP	Mitigation Monitoring and Compliance Reporting Program
MMP	Mitigation Monitoring Program
MMPA	Marine Mammals Protection Act
MMS	Minerals Management Service
mmscfd	million standard cubic feet per day
MODU	Mobile Offshore Drilling Unit
MOTEMS	Marine Oil Terminal Engineering and Maintenance Standards
MPN	Most Probable Number
MSFCMA Act	Magnuson-Stevens Fishery Conservation and Management Act
N20	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NG	Natural Gas
NGL	Natural Gas Liquids
NMFS	National Marine Fisheries Services (NOAA Fisheries)
NO	nitric oxide
N02	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NOD	Notice of Determination
NOI/P	Notice of Intent/Preparation
NOP	Notice of Preparation
N0X	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NPREP	National Preparedness for Response Exercise Program
O3	oxygen
OCS	Outer Continental Shelf
OCSLA	Outer Continental Shelf Lands Act
OES	Office of Emergency Services
OPA	US Oil Pollution Act
OPR	Office of Planning and Research
OPS	US Office of Pipeline Safety
OSCP	Oil Spill Contingency Plan
OSPR	Oil Spill Prevention and Response
OSRA	Oil Spill Risk Analysis
OSRP	Oil Spill Response Plan
OSRV	Oil Spill Response Vessel
PAH	poly-aromatic hydrocarbons
PLEM	pipeline end manifold
PM	particulate matter
PM10	particulate matter less than 10 microns in diameter
PM2.5	particulate matter less than 2.5 microns in diameter

POOI	Pacific Operators Offshore Incorporated
POPCO	Pacific Offshore Pipeline Company
POSVCM	Pipeline Oil Spill Volume Computer Model
ppb	parts per billion
ppm	parts per million
PSD	Prevention of Significant Deterioration
psi	pounds per square inch
PTO	Permit to Operate
ROC	Reactive Organic Compounds
ROG	Reactive Organic Gases
ROSF	Rincon Onshore Separation Facility
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
SBCFD	Santa Barbara County Fire Department
SBCP&D	Santa Barbara County Planning and Development
SBMMC	Santa Barbara Marine Mammal Center
SCCAB	South Coast Central Air Basin
SCCPA	South Coast Consolidation Planning Area
scf	standard cubic foot
SEIR	Supplemental Environmental Impact Report
SMB	Santa Maria Basin
SO2	sulfur dioxide
SOC	Statement of Overriding Consideration
SOO	Suspension of Operation
SOP	Suspension of Production
SO3	oxides of sulfur
SPCC	Spill Prevention Control and Countermeasure
SPCCP	Spill Prevention Control and Countermeasure Plan
SPCP	Spill Prevention and Cleanup Plan
SSRRC	System Safety and Reliability Review Committee
SWRCB	State Water Resources Control Board
SYU	Santa Ynez Unit
TAC	Toxic Air Contaminants
TDS	total dissolved solids
TPIC	Terminal Person in Charge
TSS's	Traffic Separation Schemes
UCSB	University of California, Santa Barbara
UFC	Uniform Fire Code
UNOCAP	Unocal California Pipeline Company
USCG	US Coast Guard
USDOI	US Department of Interior
USDOT	US Department of Transportation
USEPA	US Environmental Protection Agency

USFWS	US Fish and Wildlife Service
USGS	US Geological Survey
UV	ultra-violet
V/C	volume to capacity ratio
VCE	vapor cloud fire/explosion
VOC	Volatile Organic Compound
VRU	Vapor Recovery Unit
WCD	Worst-case discharge
WDP	Waste Discharge Permit
WDR's	Waste discharge requirements
WIS	Wave Information Study