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LIST OF ABBREVIATIONS AND ACRONYMS

UNITS OF MEASUREMENT

ºF	degrees Fahrenheit
bpd	barrels per day
bph	barrels per hour
bpy	barrels per year
cy	cubic yard
dB	decibel
dBA	decibel on A-weighted scale
dBRMS	decibel root mean square
DWT	dead-weight ton
kg	kilogram
km	kilometer
knots	nautical miles per hour
L_{dn}	day-night average noise level
L_{eq}	equivalent continuous sound level
L_{max}	maximum noise level
m^2	square meter
mcy	million cubic yards
mg/L	milligrams per liter
MMT	million metric tons
MT	metric ton
nm	nautical mile
pg/L	pictograms per liter
ppt	parts per thousand
µg/L	micrograms per liter
µPa	micro Pascal

OTHER ABBREVIATIONS AND ACRONYMS

AB	Assembly Bill
ADT	average daily traffic
ATCMs	Air Toxic Control Measures
BAAQMD	Bay Area Air Quality Management District
BCDC	San Francisco Bay Conservation and Development Commission
BMP	Best Management Practice
CAA	Clean Air Act
CAAA	Clean Air Act Amendments of 1990
CAAQS	California Ambient Air Quality Standards
cal. A.D.	calibrated Anno Domini
cal. B.P.	calibrated Before Present
Cal-EPA	California Environmental Protection Agency
CAP	Clean Air Plan
CARB	California Air Resources Board
CCAA	California Clean Air Act
CCC	California Coastal Commission
CDFW	California Department of Fish and Wildlife
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CFCs	chlorofluorocarbons
CFR	Code of Federal Regulations

CO_{2e}	CO_2-equivalent
COL	Critical Operating Limits
CPUC	California Public Utilities Commission
CSLC	California State Lands Commission
CWA	Clean Water Act
DMMO	Dredged Material Management Office
DO	dissolved oxygen
DPS	Distinct Population Segment
DWR	California Department of Water Resources
ESA	Endangered Species Act
EEZ	exclusive economic zone
EFH	essential fish habitat
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
ER-L	Effects Range-Low
ER-M	Effects Range-Medium
ERT	Emergency Response Team
FCMA	Fishery Conservation and Management Act
FEMA	Federal Emergency Management Agency
FMP	fishery management plan
FRP	Facility Response Plan
FSP	Facility Security Plan
GHG	greenhouse gas
HAP	Hazardous Air Pollutant
HAPC	Habitat Area of Particular Concern
HSC	Harbor Safety Committee
IGS	inert gas system
IMO	International Maritime Organization
LOS	level of service
LTMS	Long-term Management Strategy
MACT	maximum available control technology
MBTA	Migratory Bird Treaty Act
MHHW	mean higher high water
MHW	mean high water
MISA	Marine Invasive Species Act
MLLW	mean lower low water
MLW	mean low water
MM(s)	Mitigation Measure(s)

MOT	Marine Oil Terminal
MOTCO	Military Ocean Terminal Concord
MOTEMS	Marine Oil Terminal Engineering and Maintenance Standards
MOV	motor-operated valves
MSRC	Marine Spill Response Corporation
MTC	Metropolitan Transportation Commission
MTL	mean tide level
MVR	Marine Vapor Recovery
NAHC	Native American Heritage Commission
NESHAPs	National Emission Standards for Hazardous Air Pollutants
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NOP	Notice of Preparation
NPDES	National Pollutant Discharge Elimination System
OAB	Oakland Army Base
OGV	ocean-going vessel
OPA 90	Oil Pollution Act of 1990
OPR	State Governor's Office of Planning and Research
OSPR	Office of Spill Prevention and Response
OSRO	Oil Spill Response Organization
PAHs	polycyclic aromatic hydrocarbons
PAWSA	USCG Ports and Waterways Safety Assessment
PCBs	polychlorinated biphenyls
PCEs	primary constituent elements
PED	Pre-construction, Engineering and Design Agreement
PFMC	Pacific Fisheries Management Council
PM_{10}	inhalable fine particulate matter
POL	Process Operating Limits
PORTS	Physical Oceanographic Real Time System
PSV	pressure safety valves
RMLPS	Richmond Marine-Link Pipeline System
RMP	Regional Monitoring Program
RNA(s)	Regulated Navigational Area(s)
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SIOSC	State Interagency Oil Spill Committee
SIP	State Implementation Plan

SJV	San Joaquin Valley
SJVH	San Joaquin Valley Heavy
SPL	Sound pressure level
SQO(s)	sediment quality objective(s)
SSC	suspended-sediment concentration
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TACs	Toxic Air Contaminants
TBT	tributyltin
TMDL	Total Maximum Daily Load
TOLs	Terminal Operating Limits
TPIC	Terminal Person-in-Charge
TSS	Traffic Separation Scheme
UKC	under-keel clearance
USACE	United States Army Corps of Engineers
U.S.C.	United States Code
USCG	United States Coast Guard
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
V/C	volume/capacity ratio
VGP	Vessel General Permit
VOC	volatile organic compound
VPIC	Vessel Person-in-Charge
VTS	Vessel Traffic Service
WCATWC	West Coast/Alaska Tsunami Warning Center
WCD	worst-case discharge
WETA	Water Emergency Transit Authority
WQO	water quality objective
WWTP	Wastewater Treatment Plant

FREQUENTLY USED TERMS

Ballast/ballast water – heavy material placed in the hold of a ship to provide stability.

Barge – any vessel that carries oil in commercial quantities as cargo, but is not equipped with a means of self-propulsion.

Dolphin – a fixed, manmade structure that is not connected to shore and is used to berth vessels against (a berthing dolphin) or moor vessels to (a mooring dolphin).

Marine terminal or Marine Oil Terminal – a facility, including a mobile transfer unit, other than a vessel, located on or adjacent to marine waters in California, used for transferring oil to or from tank vessels or barges. The term references all parts of the facility, including, but not limited to, structures, equipment and appurtenances thereto used or capable of being used to transfer oil to or from tank vessels or barges. A marine terminal includes all piping not integrally connected to a tank facility.

Oil – any kind of petroleum, liquid hydrocarbons, or petroleum products, or any fraction or residues there from, including, but not limited to, crude oil, bunker fuel, gasoline, diesel fuel, aviation fuel, oil sludge, oil refuse, oil mixed with waste, and liquid distillates from unprocessed natural gas.

Operator – when used in connection with vessels, marine terminals, pipelines, or facilities, means any person or entity which owns, has an ownership interest in, charters, leases, rents, operates, participates in the operation of or uses that vessel, terminal, pipeline, or facility. "Operator" does not include any entity that owns the land underlying the terminal or the terminal itself, where the entity is not involved in the operations of the terminal.

Spill or discharge – any release of oil into marine waters that is not authorized by any federal, State, or local government entity.

Terminal Person-in-Charge" or "TPIC" – an individual designated by the terminal operator as the person in charge of a particular oil transfer operation at a particular terminal.

Transfer – any movement of oil, including movements of bunker fuel, between the terminal and the vessel by means of pumping, gravitation, or displacement. The term "transfer" also includes those movements of oil to, from, or within any part of the terminal or vessel that are directly associated with the movement of oil or bunker fuel between the terminal and the vessel.

Vessel – every description of watercraft or other artificial contrivance used, or capable of being used, as a means of transportation on water, including, but not limited to, tank vessels and barges.

Vessel Person-in-Charge or "VPIC" – person in charge of a vessel's oil transfer operations.