

Vancouver Energy
Application for Site Certification Agreement
EFSEC Application No. 2013-01
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List of Acronyms, Initials, and Abbreviations

A

AAR	American Association of Railroads
AC	Alternative connect
ACDP	Air Contaminant Discharge Permit
ACFM	Actual cubic feet per minute
ACI	American Concrete Institute
ACM	Asbestos-containing material
ACP	Area contingency plans
ADT	Average daily trips
af/year	Acre feet per year
AF&PA	American Forest and Paper Association
AGR	Acid gas removal system
AGS	Acid gas system
AINW	Archaeological Investigations Northwest, Inc.
AISC	American Institute of Steel Construction
Alcoa	Aluminum Company of America
ALS	Advanced life support
ANS	Alaska North Slope
ANSI	American National Standards Institute
ANT	Advance notice of oil transfer
AQRV	Air quality related values
APE	Area of potential effects
Applicant	Tesoro Savage Petroleum Terminal LLC
Application	Site Certification Agreement
API	American Petroleum Institute
AREMA	American Railway Engineering and Maintenance-of-Way Association
ARM	Ambient ratio method
ASC	Application for Site Certification
ASCE	American Society of Civil Engineers
ASIL	Acceptable source impact level
AST	Aboveground storage tank
ASTM	American Standards Testing and Materials
ASU	Air separation unit
ATB	Articulated tug barges
AWS	American Welding Society

B

BACT	Best available control technology
BAPE	Biological area of potential effect
BART	Best available retrofit technology
bbf	Barrel [and barrels]
bbf/hr	Barrels per hour
BCC	Bioaccumulative chemical of concern
BE	Biological evaluation

BENMAP	Benefits mapping and analysis program
BGS	Below ground surface
BMP	Best management practice
BO	Biological opinion
B&O	Business & occupation
BOD	Biological oxygen demand
B.P.	Before present
BPA	Bonneville Power Administration
bpd	Barrels per day
BPIP-Prime	EPA's Building Parameter Input Program-Prime
BTEX	Benzene, toluene, ethylbenzene, and xylenes
BTU	British thermal unit

C

CAA	Clean Air Act
CaCO ₃	Calcium carbonate
CAO	Critical areas ordinance
CARA	Critical aquifer recharge area
CASAC	Clean Air Scientific Advisory Committee
CCPI	Clean coal power initiative
CCTV	closed-circuit television
CD	Criteria determinant
CECSL	Certified Erosion and Sediment Control Lead
CEMS	Continuous emissions monitoring
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFB	Circulating fluidized bed
CFC	Chlorofluorocarbons
CFHMP	Comprehensive flood hazard management plan
CFR	Code of Federal Regulations
cfs	Cubic feet per second
CH ₄	Methane
CHSM	Construction Health and Safety Manual
City	City of Vancouver
CM	Crustal Mass
CMMP	Contaminated media management plan
CO	Carbon monoxide
CO ₂	Carbon dioxide
CO _{2e}	Carbon dioxide equivalent
COCs	Contaminants of Concern
COD	Chemical oxygen demand
COE	Cost of electricity
Co-Op	Electric cooperative utilities
COMS	Continuous opacity monitoring system
COPT	USCG Captain of the Port
COS	Carbonyl sulfide
County	Clark County

CPC	Casualty Prevention Circular
CPT	Cone penetration test
CPU	Clark Public Utilities
CRBG	Columbia River Basalt Group
CRD	Columbia River datum
CRESA	Clark Regional Emergency Services Agency
CRIDP	Cultural Resources Inadvertent Discovery Plan
CRWMB	Columbia River Wetland Mitigation Bank
CSGP	Construction stormwater general permit
CSHM	Construction Safety and Health Manual
cSPCCP	Construction Spill Prevention Control and Countermeasures Plan
cSWPPP	Construction Stormwater Pollution Prevention Plan
CSZ	Cascadia subduction zone
CTED	Community Trade and Economic Development, Washington State
CTG	Combustion Turbine Generator
CWA	Clean Water Act
CWMP	Construction Wildlife Monitoring Plan

D

DAHP	Washington State Department of Archaeology and Historic Preservation
DAT	Depositional analysis threshold
dB	Decibel
dBA	A-weighted decibel
dBC	C-weighted decibel
dB _{RMS}	Decibel mean root square
DC	Direct connect
DCS	Distributed control system
DEIS	Draft environmental impact statement
DGER	DNR Division of Geology and Earth Resources
DI	Ductile iron
DLC	Donation land claim
DLN	Dry lox-NOx
DNR	Washington State Department of Natural Resources
DO	Dissolved oxygen
DOE	U.S. Department of Energy
DMR	Discharge Monitoring Report
DNR	Washington State Department of Natural Resources
DPS	Distinct population segment
DSM	Deep soil mixing
DWT	Deadweight tonnage

E

EA	Environmental assessment
Ecology	Washington State Department of Ecology
EDNA	Environmental Designation for Noise Abatement
EEZ	Exclusive economic zone

EFH	Essential fish habitat
EFSEC	Washington State Energy Facility Site Evaluation Council
EGU	Electrical generating units
EIS	Environmental impact statement
EIV	Environmental information volume
EMD	Washington Military Department Emergency Management Division
ENR	Engineering News Record
EO	Executive Order
EOC	Emergency Operations Center
EPA	U.S. Environmental Protection Agency
EPC	Engineering, procurement, and construction
EPCRA	Emergency Planning and Community Right-to-Know Act
EPRI	Electric Power Research Institute
ER	Engineering Report
ESA	Endangered Species Act
ESD	Emergency shutdown
ESP	Electrostatic precipitator
ESU	Evolutionarily significant unit
Evergreen	Evergreen Aluminum LLC

F

Facility	Vancouver Energy Terminal
F	Fahrenheit
FEED	Front end engineering design
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FGD	Fluid gas desulfurization
FHWA	Federal Highway Administration
FIRM	Flood insurance rate maps
FLAG	Federal Land Managers Air Quality-Related Values Workgroup
FLM	Federal land manager
FONSI	Finding of no significant impact
FOSC	Federal On-Scene Coordinator
F-PAAC	Fire Protection Agency Advisory Council
FRA	Federal Railroad Administration
FRC	fire retardant clothing
FRP	Facility response plan
FSA	Facility Security Assessment
FSQ	Full slurry quench
FSP	Facility Security Plan
ft	Foot
FTA	Federal Transit Administration
FT-MSL	Feet above mean sea level
FWPCA	Federal Water Pollution Control Act

G

GAC	Granulated activated carbon
GCP	Good combustion practice
GHG	Greenhouse gas
GI	Generator interconnection
GIS	geographic information system
GLO	General Land Office
GMA	Growth Management Act
GO	Generator outlet
gpd	Gallons per day
gpm	Gallons per minute
GRP	Geographic response plans
GW	Gigawatt
GWU	Groundwater under the influence of surface water

H

H	Hydrogen
HAP	Hazardous air pollutant
HAZWOPER	Hazardous waste operations and emergency response
HB	House Bill
HBC	Hudson's Bay Company
H ₂ S	Hydrogen sulfide
HDD	Horizontal directional drilling
HDPE	High-density polyethylene
HGM	Hydrogeomorphic
HHV	High heating value
HG	Mercury
HMEP	Hazardous Materials Emergency Preparedness
HMIT	Hazardous Materials Instructor Training
HMR	Hazardous materials regulations
HMTA	Hazardous Material Transportation Act
HP	High pressure
hp	Horsepower
HPA	Hydraulic Project Approval
hr	Hour
HRSG	Heat recovery steam generator
HSSE	Health, safety, security, and environment
HV	High voltage
HVAC	High voltage alternative current
HVDC	High voltage direct current
HVTL	High voltage transmission line
Hz	Hertz; unit of frequency

I

I-5	Interstate 5
IBC	International Building Code

ICS	Incident Command System
ICT	Innovative control technology
IES	Illuminating Engineering Society
IFC	International Fire Code
IGCC	Integrated gasification combined cycle
IHA	Incidental Harassment Authorization
IMC	International Mechanical Code
IND	Industrial
IOU	Investor-owned utilities
IP	Intermediate pressure
IPP	Independent power producers
IRP	Integrated resource plan
ISBL	Inside the boundary limit
ISGP	Industrial stormwater general permit
ISO	International organization for standardization
ISPM	Industrial safety program manual
ITE	Institute of Transportation Engineers
IWAQM	Interagency Workgroup on Air Quality Modeling

J

JARPA	Joint Aquatic Resources Permit Application
JIC	Joint Information Center
JWC	Jail Work Center

K

KV	Kilovolt
kW	Kilowatt
kWh	Kilowatt hour

L

L	Liter
LAER	Lowest achievable emission rate
L _{dn}	Day-night sound level
L _{eq}	Equivalent sound level
lbs	Pounds
LED	Light-emitting diode
LEL	Lower Explosive Limit
LEPC	Local Emergency Planning Committee
LEPGP	Large electric power generating plant
LGIA	Large generator interconnect agreement
LGIP	Large generator interconnection procedure
LNB	Low-NO _x burners
LNG	Liquefied natural gas
LOA	Letter of authorization
LP	Low pressure
LSTK	Lump-sum turnkey

M

MACT	Maximum achievable control technology
MARSEC	Maritime Security
MDEA	Methyldiethanolamine (amine absorbent)
MDNS	Mitigated Determination of Non-Significance
MDWT	Thousand deadweight tons
MFR	Memorandum for Record
MFSA	Maritime Fire and Safety Association
mg	Milligram
MGD	Million gallons per day
MMBtu	Million British thermal units
MMDT	Million decatherms
mmhos	Millimhos
MMMP	Marine mammal monitoring and protection plan
MMPA	Marine Mammal Protection Act
MMscf/yr	Million standard cubic feet of natural gas per year
MOU	Memorandum of understanding
MSRC	Marine Spill Response Corp
MSDS	Material safety data sheets
MSH	Mount St. Helens
MSL	Mean sea level
MTCA	Model Toxics Control Act
MTR	Marine transportation-related
MTSA	Maritime Transportation Security Act
MVCU	Marine vapor combustion unit
MW	Megawatt
MWh	Megawatt hour

N

NAAQS	National ambient air quality standards
NATA	National-Scale Air Toxics Assessment
NAVD	North American Vertical Datum
NCEA	National Center for Environmental Assessment
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NEC	National Electrical Code
NEPA	National Environmental Policy Act
NESHAP	National emissions standards for hazardous air pollutants
NETL	National Energy Technology Laboratory
NFPA	National Fire Protection Association
NGCC	Natural gas-fired combined cycle
NH ₃	Ammonia
NHPA	National Historic Preservation Act
NLCD	National Land Cover Dataset
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NOC	Notice of construction

NOI	Notice of intent
NO _x	Oxides of nitrogen
NNSR	non-attainment NSR
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRCS	Natural Resources Conservation Service
NRDA	Natural Resource Damage Assessment
NRIS	Network Resource Interconnection Service
NRT	National Response Team
NSR	New source review
NSPS	New source performance standards
NTP	Notice to proceed
NTU	Nephelometric turbidity unit
NWACP	Northwest Area Contingency Plan
NWI	National Wetlands Inventory
NWPCC	Northwest Power and Conservation Council
NWR	National Wildlife Refuge
NWS	National Weather Service
O	
O ₃	Ozone
OAQPS	EPA Office of Air Quality Planning and Standards
OC	Organic carbon
OCIMF	Oil Companies International Marine Forum
ODEQ	Oregon Department of Environmental Quality
OEA	Oregon Office of Economic Analysis
OFA	Overfire air
OFM	Washington Office of Financial Management
OFSP	Operations Facility Safety Program
O&M	Operations and maintenance
OHWM	Ordinary high water mark
OMB	Office of Management and Budget
OPA 90	Oil Pollution Act of 1990
OSBL	Outside battery limits
OSCP	Oil Spill Contingency Plan
OSHA	U.S. Occupational Safety and Health Act
oSPCCP	Operation Spill Prevention Control and Countermeasures Plan
OSRA	Oil Spill Recovery Act
oSWPPP	Operation Stormwater Pollution Prevention Plan
P	
PADD	Petroleum Administration Defense District
PAH	Polycyclic or polynuclear aromatic hydrocarbon
PATON	Private Aids to Navigation
PC	Pulverized coal
PCB	Polychlorinated biphenyls

PDEIS	Preliminary draft environmental impact statement
PDP	Process design package
PDX	Portland International Airport
PEP	Project execution plan
PFC	Perfluorocarbons
PG	Pollution generating
PGA	Peak ground acceleration
PHMSA	Pipeline and Hazardous Materials Safety Administration
PHS	Priority Habitat and Species
PIC	Person in charge
PM	Particulate matter
PM ₁₀	Particulate matter of 10 microns in diameter or less
PM _{2.5}	Particulate matter of 2.5 microns in diameter or less
POI	Point of interconnection
Port	Port of Vancouver USA
POTW	Publicly owned treatment works
PPA	Power purchase agreement
ppb	Parts per billion
PPE	Personal protective equipment
ppm	Parts per million
PPMVD	Parts per million (dry basis)
PPMW	Parts per million by weight
PPSA	Power Plant Siting Act
PRC	Primary response contractor
PSD	Prevention of significant deterioration
psi	pounds per square inch
PSIA	Pounds per square inch absolute
PSIG	Pounds per square inch gauge
PTE	Potential-to-emit
PUD	Public utility district
PVC	Polyvinyl chloride

Q

QPD	Qualified public developer
QA	Quality assurance
QC	Quality control

R

RACT	Reasonably achievable control technology
RCP	Regional contingency plan
RCRA	Resource Conservation and Recovery Act
RCW	Revised Code of Washington
RDA	Resource damage assessment
RECB	Regional expansion criteria and benefits
REMSAD	Regional modeling system for aerosols and deposition
RFP	Request for proposal

RM	River mile
ROW	Right-of-way
RRIF	Railroad Rehabilitation and Improvement Financing
RRT	Regional Response Team

S

SACTI	Seasonal cooling tower impact
SAFER	Staffing for Adequate Fire and Response
SARA	Superfund Amendments and Reauthorization Act
SCA	Site certification agreement
SCR	Selective catalytic reduction
SCPC	Supercritical pulverized coal plant
SDP	Shoreline Development Permit
SEPA	State Environmental Policy Act
SF ₆	Sulfur hexafluoride
SGCN	Species of greatest conservation need
SHAPS	Savage Hazard Analysis and Prevention System
SHE&Q	Safety, Security, Health Environment & Quality
SIL	Significant Impact Levels
SIP	State implementation plan
SIS	System impact study
SLM	Sound level measurements
SMA	Shoreline Management Act
SMP	Shoreline Management Program
SMMP	Shorelines Management Master Program
SNCR	Selective non-catalytic reduction
SNG	Substitute natural gas
SO ₂	Sulfur dioxide
SOPEP	Shipboard oil pollution emergency plan
SOSC	State On-Scene Coordinator
SPCC	Spill prevention control and countermeasures
SPL	Spent Pot Liner
SPST	Supplemental Public Sector Training
SQER	Small quantity emission rate
SR	State Route
SRU	Sulfur recovery unit
SSHE&Q	Safety, Security, Health, Environment & Quality
SSI	Security Sensitive Information
STG	Steam turbine generator
Superfund	Common name for CERCLA
SWCAA	Southwest Clean Air Agency
SWDA	Solid Waste Disposal Act
SWH	Shallow water habitat
SWL	Sound power level
SWPPP	Stormwater pollution prevention plan
SYNGAS	Synthesis gas

T

TAP	Toxic air pollutant
TASC	Tesoro Assessment and Ship Clearance
TCE	Trichloroethylene
TDS	Total dissolved solids
TEP	Transmission expansion planning
TESC	Temporary erosion and sediment control
TOC	Total organic carbon
TPD	Tons per day
TPIC	Terminal Person in Charge
TPQ	Threshold planning quantity
TSA	Transportation Security Administration
TSS	Total suspended solids
TTRA	Taconite Tax Relief Area
TWIC	Transportation Worker Identification Credential

U

UGA	Urban growth area
ULSD	Ultra-low sulfur diesel
UPPR	Union Pacific Railroad
UPC	Uniform Plumbing Code
UPS	Uninterrupted power system
USACE	U.S. Army Corps of Engineers
USC	U.S. Code
USCG	U.S. Coast Guard
USDA	U.S. Department of Agriculture
USDOT	U.S. Department of Transportation
USFWS	U.S. Fish and Wildlife Service
USFS	U.S. Forest Service
USGS	U.S. Geological Survey
USLE	Universal soil loss equation
UTM	Universal Transverse Mercator

V

VCPRD	Vancouver-Clark Parks and Recreation Department
VGP	Vessel general permit
VMC	Vancouver Municipal Code
VOC	Volatile organic compounds
VPD	Vancouver Police Department
VPIC	Vessel Person in Charge

W

WAAQS	Washington ambient air quality standards
WAC	Washington Administrative Code
WBS	Work breakdown structure
WCD	Worst-case discharge

WDFW	Washington Department of Fish and Wildlife
WISHA	Washington Industrial Safety and Health Act
WNHP	Washington Natural Heritage Program
WOFM	Washington Office of Financial Management
WQPMP	Water quality protection and monitoring plan
WRRL	Western Response Resource List
WSDOT	Washington State Department of Transportation
WSP	Washington State Patrol
WUTC	Washington Utilities and Transportation Commission
WVFA	West Vancouver Freight Access
WWHM	Western Washington Hydrology Model
WWTP	Westside Wastewater Treatment Plant
Z	
ZLD	Zero liquid discharge