



List of Acronyms, Abbreviations, and Symbols

1°	primary	City	City and County of San Francisco
2°	secondary	CIUs	Categorical Industrial Users
°C	degree Centigrade	CO ₂	carbon dioxide
°F	degree Fahrenheit	COD	chemical oxygen demand
\$	dollars	COWCAP	Countrywide Cost Allocation Plan
%	percent	CSD	combined sewer discharge
#	number	CSO	combined sewer overflow
>	greater than		
<	less than	DBPs	disinfection byproducts
≥	greater than or equal to	DDT	dichloro-diphenyl-trichloroethane
≤	less than or equal to	DPH	Department of Public Health (County of San Francisco)
AB	Assembly Bill	DPW	Department of Public Works
ADC	alternative daily cover	DW	dry weather
ASCE	American Society of Civil Engineers		
ATAD	autothermal thermophilic aerobic digestion	E	East
avg	average	EDCs	endocrine disrupting chemicals
		#Eff	effluent
BAAQMD	Bay Area Air Quality Management District	EIR	Environmental Impact Report
BAFs	biological aerated filters	EMS	environmental management system
BCDC	Bay Conservation and Development Commission	EPA	Environmental Protection Agency
BCDMH	1-bromo-3-chloro-5,5-dimethylhydantoin	FeCl ₂	ferrous chloride
BFS	Bruce Flynn Pump Station	FeCl ₃	ferric chloride
BOD ₅	biochemical oxygen demand (5-day)	FOG	fats, oil, and grease
		fps	feet per second
Cal	California	ft ³	cubic foot
CAC	Citizens Advisory Committee	FY	fiscal year
CDPH	California Department of Public Health	gal	gallons
CFR	Code of Federal Regulations	GFS	Griffith Pump Station
CFU	colony forming units	GHG	greenhouse gases
CHFM	Channel Force Main	gpd	gallons per day
CHS	Channel Pump Station	GW _{hr}	gigawatt-hours
CIE	cultural/ institutional/educational		

H ₂ O ₂	hydrogen peroxide		
H ₂ S	hydrogen sulfide	N	North
HGL	hydraulic grade line	N ₂ O	nitrous oxide
HFC	hydrofluorocarbon	NACWA	National Association of Clean Water Agencies
HOCl	hypochlorous acid	NaHSO ₃	sodium bisulfite
hr	hour	NaOCl	sodium hypochlorite
		Nat	National
IDF	intensity-duration-frequency	NAVD	North American Vertical Datum
IFAS	integrated fixed-film activated sludge	NGVD	National Geodetic Vertical Datum
IPCC	Intergovernmental Panel on Climate Change	NOAA	National Oceanographic and Atmospheric Administration
		NPDES	National Pollutant Discharge Elimination System
kg	kilogram	NPF	North Point Wet-Weather Facility
kV	kilovolts	NPO	North Point Bay Outfalls
kW	kilowatt	NSFM	North Shore Force Main
kWh	kilowatt-hour	NSS	North Shore Pump Station
L	liter	O&M	operation and maintenance
lb	pound	OSP	Oceanside Water Pollution Control Plant
LEED	Leadership in Energy and Environmental Design		
LID	Low Impact Development	PAA	peracetic acid
LS	Lift Station	PAHs	polycyclic aromatic hydrocarbons
LTCP	Long-Term Control Plan	PBDE	flame retardant (polybrominated diphenyl ethers)
		PCBs	polychlorinated biphenyls
max	maximum	PDO	Pacific Decadal Oscillation
MBRs	Membrane Biological Reactors or Membrane Bioreactors	PFC	perfluorocarbon
MBTU	million British thermal units	PG&E	Pacific Gas and Electric
MG	million gallons	pH	potential of hydrogen
mg	milligrams	PM _{2.5} or ₁₀	particulate matter (≤ 2.5 or 10 microns)
mgd	million gallons per day	POTW	publicly owned treatment works
mg/kg	milligrams per kilogram	ppd	pounds per day
mg/L	milligrams per liter	PS	pump station or primary sludge
µg/L	micrograms per liter		
µg/m ³	microgram per cubic meter	RAS	return activated sludge
MHHW	mean higher high water	RWQCB	Regional Water Quality Control Board (also San Francisco Bay Water Board)
MHW	mean high water		
mL	milliliter		
MLLW	mean lower low water	scf	standard cubic feet per day
MLW	mean low water	SDS	Sunnydale Pump Station
MPN	most probable number	SELS	Southeast Lift Station
MPS	Mariposa Pump Station	SEO	Southeast Bay Outfall
MS4	municipal separate storm sewer system	SEP	Southeast Water Pollution Control Plant
MSL	mean sea level	sf	square feet
MTL	mean tide level	SF ₆	sulfur hexafluoride
MYA	million of years ago	SFPUC	San Francisco Public Utilities Commission
MW	megawatt	SFRPD	San Francisco Recreation and Park Department
M _w	moment magnitude		

SRF	state revolving fund	USGS	United States Geological Survey
SSIP	Sewer System Improvement Plan	USFWS	United States Fish and Wildlife Service
SSMP	Sewer System Master Plan	UV	ultraviolet
SSS	separate sewer system		
SWO	Southwest Ocean Outfall	VOC	volatile organic compounds
SWRCB	State Water Resources Control Board (also State Water Board)	VS	volatile solids
TAC	Technical Advisory Committee	WAS	waste activated sludge
TEQ	toxic equivalent	WQBEL	water quality-based effluent limits
TKN	Total Kjeldahl Nitrogen	WSFM	Westside Force Main
TMDL	total maximum daily load	WSIP	Water System Improvement Program
T/S	transport/storage	WSS	Westside Pump Station
TS	total solids	WST	Westside Transport/Storage
TSS	total suspended solids	WW	wet weather
TUc	toxicity units (chronic)	WWE	Wastewater Enterprise
TWAS	thickened waste activated sludge		
UBC	Uniform Building Code		

