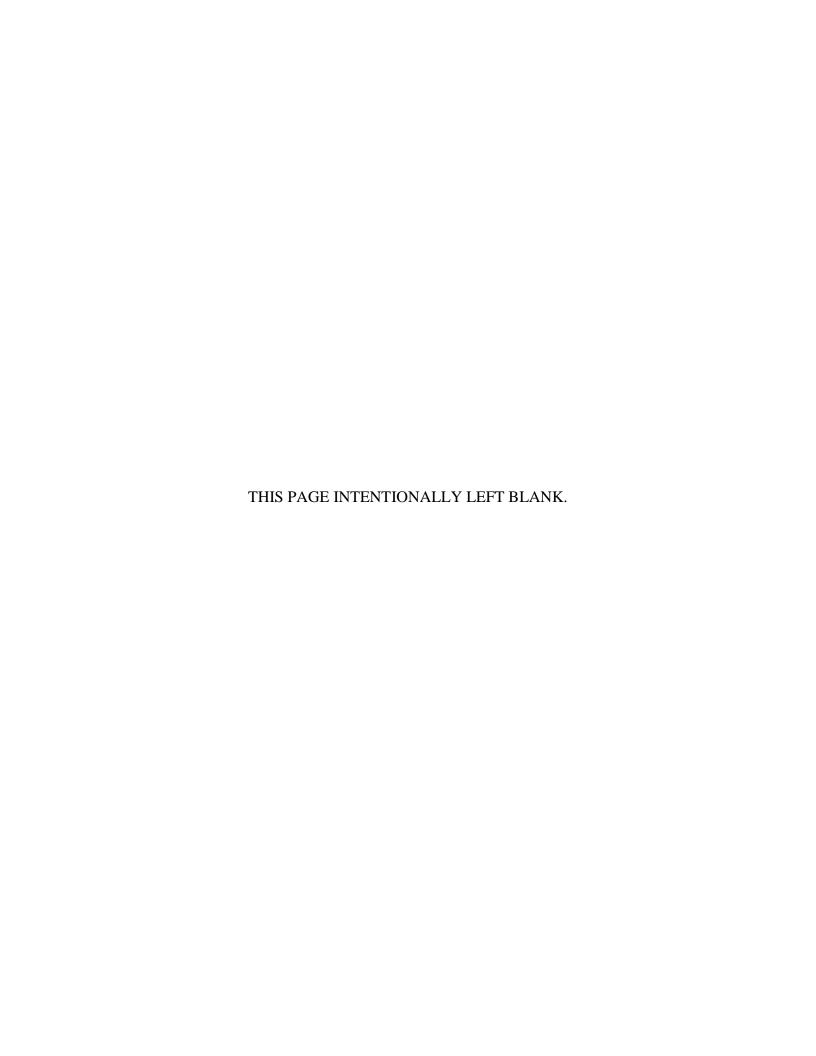
APPENDIX B: ABBREVIATIONS





Appendix B Abbreviations

LIST OF ABBREVIATIONS

AA	average annual	District	Napa Sanitation District
ACCWD	American Canyon County Water District	DO	dissolved oxygen
ADW	average dry weather	EIR	Environmental Impact Report
ADWF	average dry weather flow	EPS	effluent pump station
ADWL	average dry weather load	EDU	equivalent single family
ADWMM	average dry weather		dwelling unit
	maximum month	ENR CCI	ENR construction cost index
AF	acre-feet		
AMEL	average monthly effluent	FAQs	frequently asked questions
	limitation	FOG	fats, oils and grease
AWWMM	average wet weather	CHC	1
	maximum month	GHG	greenhouse gas
		gpd	gallons per day
Basin Plan BCE	Water Quality Control Plan Business Case Evaluation	gpd/sf	gallons per day per square foot
BFP	belt filter press	gpm	gallons per minute
Board	District Board	gpm/sf	gallons per minute per square
BOD	biochemical oxygen demand		foot
ВОБ	biochemical oxygen demand		
CBOD	carbonaceous biochemical	H1	High Ammonia Alternative 1
	oxygen demand	H2	High Ammonia Alternative 2
CCBs	chlorine contact basins	Н3	High Ammonia Alternative 3
CEC	chemicals of emerging	hp	horsepower
	concern	HRT	hydraulic retention time
CEQA	California Environment	HVAC	Heating/Ventilation/Air
	Quality Act		Conditioning
CEPT	Chemically Enhanced	I/I	in filtration and in flavor
	Primary Treatment		infiltration and inflow
CIP	Capital Improvement	I/O	input/output
	Program	IFAS	integrated fixed-film activated sludge
City	City of Napa	IPS	
COD	Chemical oxygen demand	113	influent pump station
COD	carbonaceous oxygen	L1	Low Ammonia Alternative 1
GG1 (D	demand	L2	Low Ammonia Alternative 2
CSMP	Collection System Master	L3	Low Ammonia Alternative 3
DAET	Plan	lb	pounds
DAFT	dissolved air flotation thickener		pounds of total suspended
	HICKETTEI	-5 1 2 2 7 517 day	solids per square foot per day





Appendix B Abbreviations

lb VS/cf/day lb/day LOS	pounds of volatile solids per cubic foot per day pounds per day level of service	RAS RW RWQCB	return activated sludge recycled water Regional Water Quality Control Board
MBR MCC MD MDEL MG mg/L mgd mL mL/g MLSS	membrane bioreactor motor control center maximum day maximum daily effluent limitation million gallons milligrams per liter million gallons per day milliliter milliliter per gram mixed liquor suspended	S1 S2 S3 SCADA SEPS sf SFRWQCB	Solids Handling Alternative 1 Solids Handling Alternative 2 Solids Handling Alternative 3 Supervisory Control and Data Acquisition secondary effluent pump station square foot Regional Water Quality Control Board, San Francisco Bay Region solids residence time
MPN MW	solids most probable number maximum week	SVI SWRCB	sludge volume index State Water Resources Control Board
NH ₃ -N NPDES NPV NTFs	ammonia as nitrogen National Pollutant Discharge Elimination System net present value nitrifying trickling filters	TM TSS TWAS	Technical Memorandum total suspended solids thickened waste activated sludge
NTU O&M	Nephelometric turbidity units	USEPA	United States Environmental Protection Agency
Oakely P4PS PC	Operation and Maintenance Oakley Water Strategies Pond 4 Pump Station progressing cavity	VFD VSLR VSR	variable frequency drives volatile solids loading rate volatile solids reduction
PDWF PHWWF Plan PLC	peak dry weather flow peak hour wet weather flow Master Plan programmable logic	WAS WQBEL WWTP	waste activated sludge water-quality-based effluent limitation Wastewater Treatment Plant
ppd PWWF	controller pounds per day peak wet weather flow	μg/L	micrograms per liter

