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# City of Bremerton Wastewater Comprehensive Plan Update

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Prepared for  
City of Bremerton  
345 6<sup>th</sup> Street  
Bremerton, WA 98337

KJ Project No. 2397011\*00

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- B Basin Plans
- C Pump Stations
- D Treatment System Modeling Results
- E Interagency Agreements
- F Outfall Evaluation Report
- G Crosstown Pipeline Memorandum
- H PSIC Memorandum



## I Oyster Bay Sewerage Pre-Design Alternatives

### List of Abbreviations

AAF	Average Annual Flow
AAL	Average Annual Load
AB	Aeration Basin
ADWF	Average Dry Weather Flow
AECOM	Architecture, Engineering, Construction, and Management
BASF	Badische Anilin- und Sodafabrik
BOD	Biochemical Oxygen Demand
BRVA	Business Risk and Vulnerability Assessment
BTU	British Thermal Unit
CBFM	Central Bremerton Force Main
CBOD	Carbonaceous Biochemical Oxygen Demand
CE	Central Effluent
CFR	Code of Federal Regulations
CIP	Capital Improvement Plan
COD	Chemical Oxygen Demand
CoF	Consequence of Failure
COVID	Coronavirus Disease
CPP	Countywide Planning Policies
CSO	Combined Sewer Overflow
CTP	Crosstown Pipeline
CW	Callow Avenue Basin
CWA	Clean Water Act
DCD	Department of Community Development
DMR	Discharge Monitoring Report
DO	Dissolved Oxygen
DWF	Dry Weather Flow
EB	East Bremerton
EBBM	East Bremerton Beach Main
EPA	Environmental Protection Agency
EQ	Exceptional Quality

ERU	Equivalent Residential Unit
ESTP	Eastside Treatment Plant
ETP	Eastside Treatment Plant
FIRM	Flood Insurance Rate Map
GAC	granulated activated carbon
GMA	Growth Management Act
gpd	Gallons per Day
gpm	Gallons er Minute
HDPE	High-Density Polyethylene
HDR	Henningson, Durham, and Richardson, Inc.
HGL	Hydraulic Grade Line
HRT	Hydraulic Retention Time
KCSD	Kitsap County Sewer District
KJ	Kennedy/Jenks Consultants, Inc.
lbs/sf/day	Pounds per Square Feet per Day
MCC	Motor Control Center
MCRT	Mean Cell Retention Time
MG	Million Gallons
MGD	Million Gallons per Day
mg N/L	Milligrams of Nitrogen per Liter
Mg P/L	Milligrams of Phosphorus per Liter
mg/L	Milligrams per Liter
MLK	Martin Luther King
MLSS	mixed liquor suspended solids
MLVSS	mixed liquor volatile suspended solids
MMF	Maximum Month Flow
MML	Maximum Month Load
MWL	Maximum Week Load
NAAQS	National Ambient Air Quality Standards
NPDES	National Pollutant Discharge Elimination System

OCS	Odor Control Stations
OF	Overflow
OFM	Washington State Office of Financial Management
PC	Primary Clarifier
PD	Peak Day
PDF	Peak Day Flow
PDL	Peak Day Load
PE	Primary Effluent
PEC	Pathogen Equivalency Committee
PF	Peaking Factor
PFRP	Process to Further Reduce Pathogens
PHF	Peak Hour Flow
ppd	Pounds per Day
ppdc	Pounds per Day per Capita
ppm	Parts Per Million
PSCAA	Puget Sound Clean Air Agency
PSIC	Puget Sound Industrial Center
PSNGP	Puget Sound Nutrient General Permit
PSNS	Puget Sound Naval Shipyard
PSRP	Process to Significantly Reduce Pathogens
PVC	Polyvinyl Chloride
RAS	Return Activated Sludge
RCW	Revised Code of Washington
RDT	Rotary Drum Thickener
SB	Sewer Basin
SCADA	Supervisory Control And Data Acquisition
SCFH	Standard Cubic Feet per Hour

SEPA	State Environmental Policy Act
sf	Square Feet
SLR	Solids Loading Rate
SOR	Surface Overflow Rate
SOTE	Sludge Settleable Overflow Rate
SRT	Solids Retention Time
SVI	sludge volume index
TAZ	Traffic Analysis Zones
TKN	Total Kjeldahl nitrogen
TMDL	Total Maximum Daily Load
TP	Total Phosphorus
TSS	Total Suspended Solids
TWAS	Thickened Waste Activated Sludge
UGA	Urban Growth Area
USFWS	U.S. Fish and Wildlife Service
VFD	Variable Frequency Drive
VS	Volatile Solids
VSS	Volatile Suspended Solids
WAC	Washington Administrative Code
WEM	Work Execution Management
WAS	Waste Activated Sludge
WB	West Bremerton
WDFW	Washington Department of Fish and Wildlife
WRIA	Water Resource Inventory Area
WTP	Water Treatment Plant
WWCP	Wastewater Comprehensive Plan
WWF	Wet Weather Flow
WWTP	Wastewater Treatment Plant