Abbreviation	Unit	
А	[m ²]	Area
AT		Aeration tank
β _{BOD5} In	[mg/l]	Concentration of BOD₅ at inlet
DN 1,000	[mm]	Nominal diameter
DW		Dry weather
FDS		Flow-dividing structure
h	[m]	Height difference
L	[Kg BOD ₅ /(Kg MLSS*d)	Biological Sludge loading
l	[m]	Length
$L_{BOD5} = Q_d \times \beta_{BOD5}$	[kg BOD ₅ /d]	Daily biological load
L _{d,COD}	[kg COD/d]	Daily Load of COD
L _{d,TVS}	$[kg TVS/(m^3 \cdot d)]$	Daily load of TVS
L _{MLSS}		Sludge loading
LOI		Loss on ignition
L _R		Spatial loading
n	[%]	Ratio of removal
Od _d	[kg/d]	Oxygen demand, daily
Р	[1]	Population [inhabitant]
PE	[1]	Population Equivalent [inhabitant]
PST		Primary settlement tank
PS		Primary sludge
PT = P + PE	[1]	Total Population and equivalents [Inhabitant]
Q	[m ³ /s]	Flow
Q	[kWh]	Amount of heat
Q _d	[m³/d]	Daily inflow to treatment plant
Q _{Infl}	[m³/d]	Flow at inlet
$q_l = Q/l$	[m³/(h · m)]	Edge load
Qs		Flow of sludge

Abbreviations

Abbreviation	Unit	
Q _{ss}	[m³/d]	Flow of surplus sludge
$R_{\rm R} = Q_{\rm RS} \ / \ Q_{\rm In}$	[%]	Recirculation Ratio of Sludge
RS		Return activated sludge
S	[‰]	Slope
SE		Contamination unit
SS		Surplus sludge
SST		Secondary Settlement tank
SSV	[ml/l]	Settled Sludge Volume in Aeration Tank
SVI	[ml/g]	Sludge Volume Index
SW		Stormwater event
t	[d]	Retention time (of sludge in digester)
t _{DW}	[min]	Flow time at dry weather
TOS	TOS	Tank overflow structure
t _{PS}	[h]	Retention time in Primary settlement tank
t _R	[min,h,d]	Retention Time
TS	[%] or [g TS / kg sludge]	Total Solids (in sludge)
TSS	[g TSS / l sludge]	Total Suspended Solids concentration (dry mass)
t _{sw}	[min]	Flow time at Stormwater event
t _{TSS}	[d]	Sludge age
TVS	[liter per kg]	Total volatile suspended solids = LOI
v	[cm/s]	Velocity
V	[m³]	Volume
V _{bio}	[m³]	Volume of biological tank
V _{PST}	[m ³]	Volume of Primary settlement tank
V _{tot}	[m ³]	Total volume of tank
W	[m]	Width of tank