

AA - Activated alumina

ABR - Anaerobic baffled reactor - improved septic tank with baffles

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AC: Alternating current

ACP - Anaerobic contact process

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AD - Anaerobic digestion

AD: Anaerobic digestion

ADI: Acceptable daily intake

ADWF: Average Dry Weather Flow

AF - Anaerobic filters

Ag: Silver

AOC: Assimilable Organic Carbon

AOS: Adult onsite exposure

AQMD: Air Quality Management District

As - Arsenic

AS: Activated Sludge

As: Arsenic

ATS - Aerobic treatment system

ATS: Aerobic treatment system

AWT, AWWT: Advanced Wastewater Treatment

AWWA: American Water Works Association

AWWARF: American Water Works Association Research Foundation ([www.awwarf.com](http://www.awwarf.com))

AWWF: Average Wet Weather Flow

BAC: Biological Activated Carbon (water treatment)

BACT: Best Available Control Technology (Air Quality)

BAF: Biological Aerated Filter (wastewater treatment)

BATNEEC: Best Available Techniques Not Entailing Excessive Costs

BHP: Brake Horse Power

BMP: Best Management Practices

BOD : Biochemical Oxygen Demand

BOD or BOD5 - Biological oxygen demand (measured for five days)

BOD: Biochemical Oxygen on Demand:

BOD: Biological oxygen demand

BOD5: Biochemical Oxygen Demand (over a 5 day period)

CAA: Clean air act (EPA)

CBOD: Carbonaceous Biochemical Oxygen Demand Chlorine

Cd: Cadmium

CFC: Chlorofluorocarbons

CFM: Cubic Feet Per Minute

CFR: Code of Federal Regulations

CFS: Cubic Feet Per Second

CFU - Colony-forming unit

cfu: Colony Forming Unit (Microbiology)

CHP: Combined Heat and Power

CIP: Capital Improvement Program

CJD: Creutzfeld-Jakob's Disease

CN: Cyanide

COD - Chemical oxygen demand

COD - Controlled open defecation

COD: Chemical Oxygen Demand

Cr: Chromium

CSI Conveyance System Improvement

CSO - Combined sewer overflow

CSO LTCP: CSO Long-Term Control Plan

CSO: Combined sewer overflow

Cu: Copper

CVOC: Chlorinated volatile organic compound

CW - Constructed wetland

DAF: Dissolved Air Flotation

DBP: Disinfection By-Product

DEWATS - Decentralized wastewater treatment system

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DFM: Decennial flow monitoring

DMR: Discharge Monitoring Report

DNA: Deoxyribonucleic acid

DO: Dissolved Oxygen

DOC: Dissolved organic carbon

EBCT: Empty Bed Contact Time

EC - Electrical conductivity

EDI: Electro Deionization

Eh: Redox potential

EIA: Environmental impact assessment

EIS: Environmental Impact Statement

EPA: United States Environmental Protection Agency

EQO: Environmental Quality Objective

EQS: Environmental Quality Standard

ESA: Endangered Species Act

ESA: Environmentally Sensitive Area

F/M Ratio: Food to Microorganism Ratio

FAC: Florida Administrative Code

FAO: Food and Agriculture Organization of the United Nations

FAQ: Frequently asked questions

FC: Fecal coliforms

FeCl<sub>2</sub>: Ferrous chloride

FeCl<sub>3</sub>: Ferric chloride

FECR: Fecal egg count reduction; closest article is on anthelmintic

FOG: Fats, Oils, & Grease

FS: Fecal (or fecal) sludge; closest article is septage

FSM: Fecal (or fecal) sludge management

FSSM: Fecal sludge and septage management

FSTP: Fecal sludge treatment plant

FTI: Fecally transmitted infections; closest article is fecal-oral transmission

GAC: Granular Activated Carbon

GAP: Good agricultural practices

GC: Gas chromatography

GCMS: Gas chromatograph + mass spectrometer

GFD: Gals per foot of membrane per day

GHG: Greenhouse gases

GIS: Geographical Information System

GLV: Guideline Value (water quality standards)

GMO: Genetically Modified Organism

gpcd: Gallons per capita per day

GPD: Gallons Per Day

gped: Gallons per employee per day

GPM: Gallons Per Minute

GPS - Global positioning system

GSA: Gould Sludge Age

GSF - Global sanitation fund, closest page is Water Supply and Sanitation Collaborative Council

GSI: Green Stormwater Infrastructure

HACCP: Hazard Analysis and Critical Control Point

HACCP: Hazard analysis and critical control points

HC: hydrocarbons

HDPE: High density polyethylene

HEDF: Human excreta derived fertilizer (see reuse of excreta)

HIA: Health impact assessment

HMI: Human Machine Interface

HP: Horse Power

HRWS - Human right to water and sanitation

HWF - Handwashing facility

I/I: Infiltration/Inflow

IPC : Inclined Plate Clarifier

IPC: Integrated Pollution Control

IPPC: Integrated Pollution Prevention and Control

IPS: Influent pump station

IWA: International Water Association

IWSA: International Water Supply Association

IWW: Industrial Wastewater

JTU: Jackson Turbidity Unit

kL (or Kl): Kilo liters (or 1000 liters, same as 1 cubic meter)

KM: Knowledge management

L: Liter

LDPE: Low density polyethylene

LMH: Liters of permeate per square meter of membrane per hour

lpcd: Liters per capita per day (liters per person per day), e.g. for daily wastewater flowrate

M&E: Monitoring and evaluation

MAC: Maximum Admissible Concentration

MB: Mixed Bed

MBBR: Moving Bed Biofilm Reactor

MBR: Membrane Bioreactor

MCC: Motor Control Center

MCL: Maximum Contaminant Level

MCRT: Mean Cell Residence Time

MFC: Microbial fuel cell

MFI: Microfinance institution

mg - Milligram

MG/L: Milligrams Per Liter

mg: Milligram

MG: Million Gallons

MGD: Million Gallons Per Day

MHM: Menstrual hygiene management; closest article is Menstrual hygiene day

ML: Megaliter or 1 million liter or 1000 cubic meters

mld: Megalitres per day

MLD: Million liters per day

MLSS: Mixed Liquor Suspended Solids

MLVSS: Mixed Liquor Volatile Suspended Solids

MOA: Memorandum of Agreement

MOR: Monthly Operating Report

MoU: Memorandum of understanding

MSW: Municipal solid waste

MTBE: Methyl-tert-butyl ether

NACWA: National Association of Clean Water Agencies

NAPL: Non Aqueous phase liquid

ND: Not detected

NF: Nanofiltration

NGO: Non-governmental organization

NH<sub>3</sub>-N: Ammonia Nitrogen

NIMBY: Not In My Back Yard

NO<sub>2</sub>-N: Nitrite Nitrogen

NO<sub>3</sub>-N: Nitrate Nitrogen

NO<sub>x</sub>: Nitrogen Oxide

NPDES: National Pollutant Discharge Elimination System

NPSH: Net Positive Suction Head

NRW: Non-revenue water

NSS: Non-sewered sanitation (similar term to fecal sludge management)

NTU: Nephelometer Turbidity Units

O & G: Oil and Grease

O&M: Operation and maintenance

OD: Open defecation

ODF: Open defecation free, i.e. a community without open defecation taking place

oF: Fahrenheit

OPEX: Operating Expenditure on a recurring annual basis

OPEX: Operational expenditure (or operating expense)

ORP - Oxidation reduction potential

OSEC: On-Site Electrolytic Chlorination

OUR: Oxygen Uptake Rate

P&ID: Process and Instrumentation Diagram

PAC: Powdered Activated Carbon

PAH: Polycyclic Aromatic Hydrocarbons

PC : Personal computer

PCV: Prescribed Concentration or Value

pe: Population Equivalent

PFD: Process flow diagram

pH: Hydrogen potential

pH: Potential Hydrogen

PLC : Programmable Logic Controller

POTW: Publicly Owned Treatment Works

ppb: Parts Per Billion

PPE : Personal Protective Equipment

ppm - Parts per million

PPP - Public private partnership

ppt: Parts per trillion

PRV: Pressure Reducing Valve (water distribution)

PSI: Pounds Per Square Inch

PTE: Potentially Toxic Element

PVC: Polyvinyl chloride

QA/QC: Quality assurance / quality control

R&D: Research and development



RAS: Return Activated Sludge

RBC: Rotating Biological Contactor

RBF: Results-based financing, see also Output based aid or Payment by Results

RBTS: Reed Bed Treatment System (wastewater treatment)

RCT: Randomized controlled trial

RNA: Ribonucleic acid

RO: Reverse Osmosis

RRR: Resource Recovery and Reuse

RTC: Real Time Control

RTI: Reproductive tract infection

RTTC: Reinvent the Toilet Challenge, an R&D funding scheme by the Bill and Melinda Gates Foundation

SA: Sludge Age

SAR: Sodium adsorption ratio

SBA (or SBM): Swachh Bharat Abhiyan, Clean India Mission or Swachh Bharat Mission

SBR: Sequencing Batch Reactor

SBR: Sequencing Batch Reactors

SCADA: Supervisory Control and Data Acquisition

SDG: Sustainable Development Goal

SDG6: Sustainable Development Goal Number 6: "Clean Water and Sanitation"

SDI: Sludge Density Index

SDWA: Safe Drinking Water Act (US legislation)

SHG: Self-help group

SI: International system of Units

SLA: Service-level agreement

SLB: Service-level benchmarking

SME: Small and Medium Sized Enterprises

SMS: Short message service

SOP: Standard operating procedure

SOUR: Specific Oxygen Uptake Rate

Sox: Sulfur Oxides

SRT - Solids retention time, see also Activated sludge

SRT: Solids Retention Time

SS: Suspended Solids (wastewater treatment)

SSSI: Site of Special Scientific Interest

STP: Sewage treatment plant

STW: Sewage Treatment Works

SVI: Sludge Volume Index

T90 - Time at which 90 percent reduction in pathogens is achieved

TAD: Thermophilic Aerobic Digestion (wastewater sludge treatment)

TDS: Total dissolved solids

THM: Trihalomethane

ThOD - Theoretical oxygen demand

ThOD: Theoretical oxygen demand

TKN: Total Kjeldahl Nitrogen

TMDL: Total Maximum Daily Load

TOC: Total Organic Carbon

TOC: Total Organic Carbon

TOMP: Toxic Organic Management Plan

TP: Total Phosphorous

TSS: Total suspended solids

TSS: Total Suspended Solids

TTHMs: Total Trihalomethanes

TTO: Total Toxic Organics

TWL: Top Water level

UASB: Upflow anaerobic sludge blanket reactor

UCD: User-centered design

UDDT: Urine-diverting dry toilet

UDFT: Urine Diverting Flush Toilet

UDT: Urine diversion toilet

UF: Ultrafiltration

umho/cm: Micromho per centimeter

uS/cm: Microsiemens per centimeter

USEPA: United States Environmental Protection Agency

UV: Ultraviolet Radiation

UV: Ultraviolet

UVGI: Ultraviolet germicidal irradiation

VFA: Volatile Fatty Acid

VFD: Variable Frequency Drive

VIP: Ventilated improved pit latrine

VOC: Volatile Organic Carbon

WAS: Waste Activated Sludge

WASH or WaSH: Water, sanitation and hygiene

WASH2: Water, sanitation, hygiene and health

WC - Water closet

WC: Water column

WEF - Water-Energy-Food nexus

WERF: Water Environment Research Foundation

WHO - World Health Organization

WPM - Water point mapping

WRF: Water Reclamation Facility

WRRF: Water Recycle and Reclamation Facility

WSH - Water, sanitation, hygiene

WSSCC - Water Supply and Sanitation Collaborative Council

WSUP: Water and sanitation for the urban poor

WTD - World Toilet Day

WTP: Water Treatment Plant

WWD: World Water Day

WWTF: Wastewater Treatment Facility

WWTP: Wastewater Treatment Plant

WYSIWYG - What You See is What You Get

Zn: Zinc