

Guidance for Federal Land Management in the Chesapeake Bay Watershed

Acronyms

Nonpoint Source Pollution
Office of Wetlands, Oceans, and Watersheds
U.S. Environmental Protection Agency

Abbreviations and Acronyms

ACT	avoid, control, and trap pollutants
AFO	animal feeding operation
AMD	acid mine drainage
APS	multiple-pond system
ASCE	American Society of Civil Engineers
ATU	aerobic treatment unit
BMP	best management practice
BSTEM	Bank-Stability and Toe-Erosion Model
CAD	computer assisted drawing
CAFO	concentrated animal feeding operation
CBP	Chesapeake Bay Program
CDS	controlled drainage-subirrigation
CLEAR	Center for Land Use Education and Research
COD	chemical oxygen demand
CREP	Conservation Reserve Enhancement Program
CRF	controlled-release fertilizer
CSO	combined sewer overflow
CWD	coarse woody debris
CWP	Center for Watershed Protection
DEM	Digital Elevation Model
DIP	dissolved inorganic phosphorus
DM	dry matter
DOP	dissolved organic phosphorus
DSA	driving surface aggregate
DSS	decision support system
DU	distribution uniformity
DW	denitrification wall
EAV	emergent aquatic vegetation
EDU	equivalent dwelling unit

EI	erodibility index
EIA	effective impervious area
EISA	Energy Independence and Security Act
EMRRP	Ecosystem Management and Restoration Research Program
EPA	U.S. Environmental Protection Agency
ESA	Endangered Species Act
ETV	Environmental Technology Verification
FEMA	Federal Emergency Management Agency
FISRWG	Federal Interagency Stream Restoration Working Group
FPC	fundamental process category
GCS	grade-control structure
GHG	greenhouse gas
GI	green infrastructure
GIS	geographic information system
GPS	global positioning system
HAP	high-available phosphorus
HEL	highly erodible land
HSI	Hotspot Site Investigation
IBI	index of biotic integrity
IPM	integrated pest management
LID	low impact development
LWD	large woody debris
MBF	matrix-based fertilizer
MBR	membrane bioreactor
MOU	memorandum of understanding
MS4	municipal separate storm sewer system
MT	metric ton
N	nitrogen
NFIP	National Flood Insurance Program
NH ₃	ammonia gas
(NH ₄) ₂ SO ₄	ammonium sulfate
NH ₄ ⁺	ammonium ions
NH ₄ NO ₃	ammonium nitrate
NMFS	National Marine Fisheries Service

NMP	nutrient management planning
NO ₂ ⁻	nitrite
NO ₃	nitrate
NOAA	National Oceanic and Atmospheric Administration
NOV	notice of violation
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
NRRSS	National River Restoration Science Synthesis
NSQD	National Stormwater Quality Database
NUE	nutrient use efficiency
NURP	Nationwide Urban Runoff Program
OM	organic matter
P	phosphorus
PAM	polyacrylamide
POC	pollutant of concern
POP	particulate organic phosphorus
PP	particulate phosphorus
PR	phosphate rock
PRB	permeable reactive barrier
PSNT	Pre-Sidedress Nitrate Test
REMM	Riparian Ecosystem Management Model
RME	responsible management entity
RUSLE	Revised Universal Soil Loss Equation
SAV	submerged aquatic vegetation
SBR	sequencing batch reactor
SMA	streamside management area
SMZ	streamside management zone
SPCC	spill prevention control and countermeasures
SRF	slow-release fertilizer
SRI	sedimentation risk index
SRP	soluble reactive phosphorus
SS	suspended solids
SSI	Sustainable Sites Initiative
STA	stormwater treatment area

STEG	septic tank effluent gravity
STEP	septic tank effluent pump
SWPPP	stormwater pollution prevention plan
TKN	total Kjeldahl nitrogen
TMDL	total maximum daily load
TN	total nitrogen
TOC	total organic carbon
TP	total phosphorus
TS	total solids
TSP	technical service providers
TSS	total suspended sediment (or solids)
TSSC	typical treatment system component
TVA	Tennessee Valley Authority
TWIST	The Wastewater Information System Tool
UD	traditional drainage
UIC	underground injection control
UOP	unit operation or process
UP3	Urban Pesticide Pollution Prevention
USDA	U.S. Department of Agriculture
USGS	U.S. Geological Survey
VFS	vegetated filter strip
VRSS	vegetated reinforced soil slope
VSS	volatile suspended solids
VTS	vegetative treatment system
WEP	water-extractable phosphorus
WERF	Water Environment Research Foundation
WSF	water-soluble fertilizer
WTR	water treatment residual