



TETRA TECH

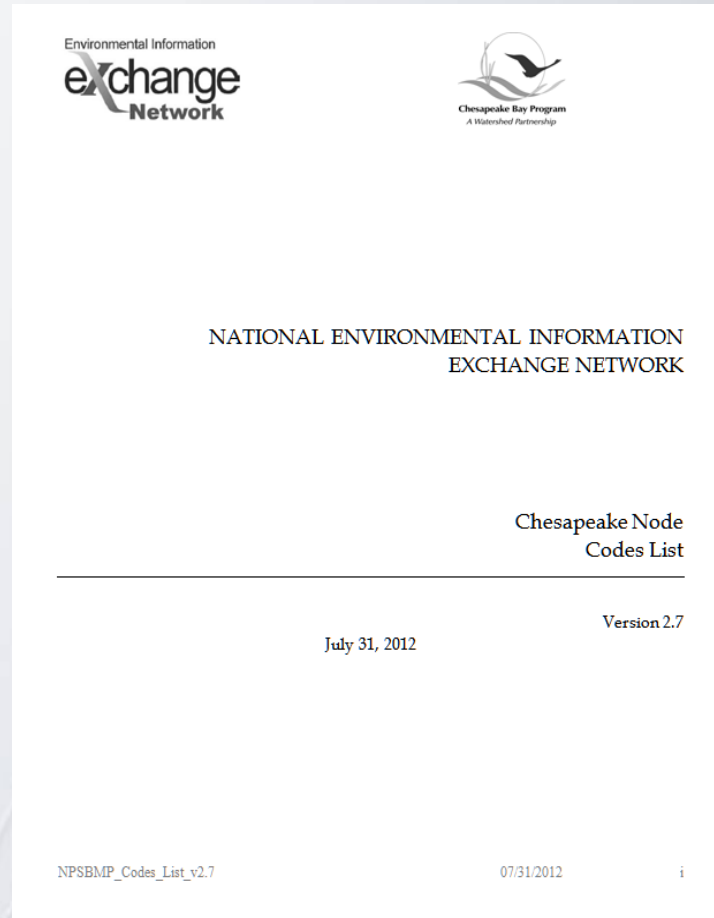
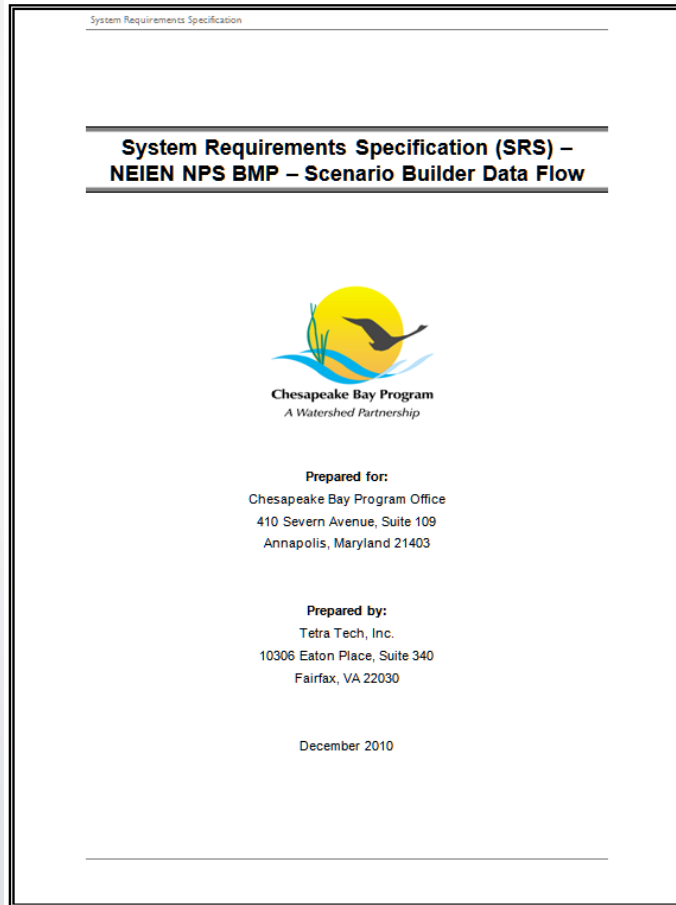


NPSBMP Update of Changes

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NPSBMP Documentation



NPSBMP Documentation (cont.)

2.2	12/23/2010	<ul style="list-style-type: none"> - Synchronize all the codes used in the first production exchange between state and Bay nodes and the codes specification. Tables include: <ul style="list-style-type: none"> o 4.1 Agency Codes o 4.4 BMP Component Names o 4.6 BMP Event Status Codes o 4.8 BMP Land Use Class Code o 4.11 BMP Names o 4.15 County Codes
2.3	10/11/2011	<ul style="list-style-type: none"> - BMP & BMP Component Name tables were combined and now include identifiers that specify whether the practice is: <ul style="list-style-type: none"> o Valid as a BMP, BMP Component, or both BMP and BMP Component. o TYPE = FED or ST - Obsolete tables for BMP Component Name, Type, and Units were removed. - BMP/Component names were updated with additional practices anticipated for 2011 progress run submission. - Added section 4.32 for Implementation Qualifier Code.
2.4	10/19/2011	<ul style="list-style-type: none"> - Removed duplicates (porous pavement, cisterns & rain barrels, vegetated roof cover) from table 4.7
2.5	12/29/2011	<ul style="list-style-type: none"> - Added Implementation Qualifier Codes for Regulated land implementation within Chesapeake bay Portion of the County
2.6	04/09/2012	<ul style="list-style-type: none"> - Added Land Classes for Urban - Combined Sewer Systems.
2.7	07/31/2012	<ul style="list-style-type: none"> - Added new BMP & BMP Components from NY Stormwater DB.

Name	BMP and/or Component	Type
Wetland Protection - Short Term	BMP & BMP Component	ST
Wetland Restoration	BMP & BMP Component	FED
Wetland Wildlife Habitat Management	BMP & BMP Component	FED
Windbreak/Shelterbelt Establishment	BMP & BMP Component	FED
Windbreak/Shelterbelt Renovation	BMP & BMP Component	FED
Wooded Buffers	BMP & BMP Component	ST
Woodland Buffer Filter Area	BMP & BMP Component	ST
Woodland Buffer Filter Area	BMP & BMP Component	ST
Woodland Erosion Stabilization	BMP & BMP Component	ST
Woody Residue Treatment	BMP & BMP Component	ST
Disconnection of Rooftop Runoff	BMP & BMP Component	ST
Dry Swale	BMP & BMP Component	ST
Dry Well	BMP & BMP Component	ST
Extended Detention Wetland	BMP & BMP Component	ST
Green Roof	BMP & BMP Component	ST
Infiltration Basin	BMP & BMP Component	ST
Infiltration Trench	BMP & BMP Component	ST
Micropool Extended Detention	BMP & BMP Component	ST
Multiple Pond System	BMP & BMP Component	ST
Organic Filter	BMP & BMP Component	ST
Perimeter Sand Filter	BMP & BMP Component	ST
Permeable Pavement	BMP & BMP Component	ST
Pocket Pond	BMP & BMP Component	ST
Pocket Wetland	BMP & BMP Component	ST
Pond/Wetland System	BMP & BMP Component	ST
Rain Barrel Cistern	BMP & BMP Component	ST
Rain Garden	BMP & BMP Component	ST
Shallow Wetland	BMP & BMP Component	ST
Stormwater Planter	BMP & BMP Component	ST
Surface Sand Filter	BMP & BMP Component	ST
Underground Infiltration System	BMP & BMP Component	ST
Underground Sand Filter	BMP & BMP Component	ST
Wet Extended Detention	BMP & BMP Component	ST
Wet Swale	BMP & BMP Component	ST

NPSBMP Requirements Appendix

<http://www.chesapeakebay.net/calendar/event/18458/>

Schema change vs. Appendix change

NEIEN BayTAS Reports

<http://www.baytas.tetrattech-ffx.com/Home/Welcome>

NPSBMP Requirements Appendix – Default Landuse

	A	B	D	F	G	H	J	K	L	M	O	P
	ID	BMP Name	DefaultSB LandUse	Measurement Name	Unit Name	State Specific Identifier	Scenario Builder BMP	Comments	Status	Status Comment	Measurement Use Priority	Status Detail
14	13	Animal Trails and Walkways	afocafo	Feet	FEET	ALL	BarnRunoffCont		Release		1	R2 - Dec 2010
15	14	Animal Waste Management Systems (All Types)	afocafo	No. of systems	COUNT	ALL	AWMS		Release		1	R2 - Dec 2010
16	15	Animal Waste Management Systems (All Types)	afocafo	Systems	COUNT	ALL	AWMS		Release		2	R2 - Dec 2010
17	16	Aquatic Vegetation Planting		Area Planted	ACRE			WQ model ber	Draft		1	R5
18	17	Atmospheric Resource Quality Management		Acres Managed	ACRE			Not yet mapped	NA		1	Interim
19	18	Barneyard Runoff Controls	afocafo	Systems	COUNT	ALL	BarnRunoffCont	7/17 changing	Release		1	R2 - Dec 2010
20	19	Barneyard Runoff Controls	afocafo	Dairy Animals	COUNT	ALL	BarnRunoffCont	adding 3/15/2	Release		2	R6
21	20	Barneyard Runoff Controls	afocafo	Animals	COUNT	ALL	BarnRunoffCont	assumed dair	Release		3	R6
22	21	Basin for Dredged Material	AG	AC	ACRE	ALL	ConPlan	BMP Acres, no	Release		1	R1 - July 2010
23	22	Biofiltration	UrbanWith	No. Systems	COUNT	ALL	BioRet		Release		1	R2 - Dec 2010
24	23	Bio-Reactor Carbon Filter	URBAN	Area Treated	ACRE	ALL	Filter	not area of filt	Release		1	R5
25	24	Bioretention	UrbanWith	Area Treated	ACRE	ALL	BioRet		Release		1	R2 - Dec 2010
26	25	Bioretention	UrbanWith	No. Systems	COUNT	ALL	BioRet		Release		2	R2 - Dec 2010
27	26	Bioswale	UrbanWith	Area Treated	ACRE	ALL	BioSwale	Area draining	Release		1	R1 - July 2010
28	27	Bioswale	UrbanWith	Drainage Area	ACRE	ALL	BioSwale	Area draining	Release		2	R1 - July 2010
29	28	Bioswale	UrbanWith	No. Systems	COUNT	ALL	BioSwale		Release		3	R2 - Dec 2010
30	29	Brush Management	AG	AC	ACRE	ALL	ConPlan	BMP Acres, no	Release		1	R1 - July 2010
31	30	Brush Management	AG	Acre	ACRE	ALL	ConPlan	BMP Acres, no	Release	New Measure	2	R3 - April 2011
32	31	Carbon Sequestration/Alternative Crops	ROW	Area of Alternative Crops	ACRE	ALL	CarSeqAltCrop		Release		1	R1 - July 2010
33	32	Channel Stabilization	AG	Area Treated	ACRE	ALL	NonUrbStrmRest		Release	These measure	1	R1 - July 2010

NPSBMP Requirements Appendix – Acceptable Landuse

	A	B	C	D
1	Scenario Builder BMP	Acceptable Land Use		
2	AbanMineRec	cex		
3	AbanMineRec	cpd		
4	AbanMineRec	ext		
5	AbanMineRec	nex		
6	AbanMineRec	npd		
7	AbanMineRec	PU		
8	AbanMineRec	PUWithoutCss		
9	AbanMineRec	rex		
10	AbanMineRec	rpd		
11	BarnRunoffCont	afo		
12	BarnRunoffCont	afocafo		
13	BarnRunoffCont	cafo		
14	BioRet	cid		
15	BioRet	cpd		
16	BioRet	CssUrbanOnly		
17	BioRet	IU		
18	BioRet	IUWithoutCss		
19	BioRet	nid		
20	BioRet	npd		
21	BioRet	PU		
22	BioRet	PUWithoutCss		
23	BioRet	RegUrban		
24	BioRet	rid		
25	BioRet	rpd		
26	BioRet	UnRegUrban		
27	BioRet	URBAN		
28	BioRet	UrbanWithCss		
29	BioSwale	cid		
30	BioSwale	cpd		
31	BioSwale	CssUrbanOnly		
32	BioSwale	IU		



Proposed Schema Modifications

- Verification Date
- Lifespan (Years)
- Performance Standard
- Soil Type
- Manure Applied (Y/N) --- Cover Crops
- Excess Manure Applied? (Y/N) --- AWMS

Thank You!

Questions & Answers

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