Maryland Technical Guide

CHANGE NOTICE REGISTER

Notice		Section	Action Required	Pages	
No.	Date			No. (s)	Dates
1	9/25/92	All sections	Initial release of new technical guide.	All	6/92 - 1092
2	12/4/92	IV	Revised standard - 378 - Pond	378-1 to 19	11/92
3	4/29/93	I-A	New plant materials reference.	---	1993
4	4/29/93	I-G	New T&E species reference.	---	8/29/92
5	4/29/93	I-A	New stream protection references.	---	Various
6	4/29/93	I-A	New agronomy references.	---	1992
7	5/3/93	I-A	Reference lists	I-A-1 to 30	5/93
8	6/29/93	II, III	New Dividers for Sections II and III	---	6/93
9	7/8/93	I-E	Growing Seasons for Wetland Hydrology	Map	5/89
10	9/14/93	I-A, VI	Water Quality Guidelines & Hydrology	---	9/93
11	12/20/93	IV	Revised standard - 560 - Access Road	560-1 to 4	12/93
11	12/20/93	IV	Revised standard - 412 - Grassed Waterway	412-1 to 4	12/93
11	12/20/93	IV	Revised standard - 641 - Water Table Control	641-1 to 7	12/93
11	12/20/93	IV	Revised standard - 590 - Nutrient Mgmt.	590-1 to 6	12/93
12	2/15/94	All Sections	Changes related to COMAR 26.09.03	i-ix; II;III;IV;V	10/93
13	4/94	I-A, IV	New Standard and references		
14	12/5/94	I-A, I-B	Cost Data & Economic references		
15	2/6/95	IV	Revised standard - 410 - Grade Stabilization Structure	IV; IV-v to IV-vii	2/95
16	3/95	IV	Interim standard - 234-I Sinkhole and Sinkhole Area Treatment	IV; IV-v to IV-vii	3/95
17	3/95	I-D	RUSLE		
18	4/95	II	Rev. Interpretative Groupings and Physical and Chemical Properties of the Soils		
19	6/95	IV	Interim Standard - 240-I Well Plugging	IV-v to IV-vii	
20	9/95	I-D	RUSLE software		9/95
21	1/96	IV-B	Conservation Practice Instruction Sheets		
22	3/96	IV	Revised standard - 382 - Fence	IV; IV-v to IV-vii	3/96
23	5/96	I-G	Revised T & E Species Lists	I-G-i to I-G-iii	5/96
24	11/96	II	Field Indicators of Hydric Soil in U.S.		11/96

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25	11/96	IV	Revised standards - 561 - Heavy Use Area Protection 468 - Lined Waterway or Outlet 391 - Riparian Forest Buffer 558 - Roof Runoff Management 587 - Structure for Water Control 313 - Waste Storage Facility 359 - Waste Treatment Lagoon	IV; IV-v to IV-vii	various
		I	Maps - Maryland Major Land Resource Areas Maryland Common Resource Areas Lower Shore CRA Map Upper Shore CRA Map Southern Maryland CRA Map Central Maryland CRA Map Western Maryland CRA Map	I-C-1 to I-C-7	11/96
26	3/97	I-D	RUSLE - C Factor Tables	various	3/97
			P Factor Tables	various	3/97
27	6/97	I-E	Plant Hardiness Zone Map		6/97
28	7/97	IV-B	Conservation Practice Instruction Sheets		7/97
29	12/97	II	Field Indicators of Hydric Soils in U.S.	various	12/97
30	12/97	IV	Revised Standards	various	various
31	12/97	IV	Revised Standard - Riparian Herbaceous Buffer		3/98
32	10/98	IV	Revised Standard - 759-I 390		10/98
33	2/99	I-C	Fact Sheets 1997 Census of Ag.		2/99
34	2/10/99	IV	New & Revised Standards - 386 - Field Border 657 - Wetland Restoration 658 - Wetland Creation 646 - Shallow Water Area for Wildlife	Various	1/99
35	2/16/99	I, I-D, IV	New RUSLE P Factor Tables Change Notice Register List of Conservation Practice Standards	Pgs. 16 - 47 ix - xi Page IV-v to IV-vii	1/99 2/99 2/99
36	6/2/99	IV	Revised Standard - 561 Heavy Use Area Protection		5/99
37	9/3/99	IV	Revised Standards - 327 Conservation Cover and Riparian Herbaceous Cover 390		9/99
38	9/2/99	I-D	Revised RUSLE 10-yr EI map and new tables for RUSLE P Subfactors for Contour and Cross Slope Farming Change Notice Register List of Conservation Practice Standards		9/99
39	11/13/99	II -	Leaching Values for the Maryland Phosphorus Site		11/99

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No.	**Date**			**No. (s)**	**Dates**
		Cropland Interpre-tations	Index Table		
40	1/26/2000	IV	Revised Standard - 378 Pond		1/00
41	6/5/2000	IV	Revised Standards – 646 – Shallow Water Area for Wildlife 657 – Wetland Restoration 658 – Wetland Creation New Job Sheet – Shallow Water Area for Wildlife		6/00
42	7/11/00	IV, IV-B	Revised Standard – 391 – Riparian Forest Buffer New Job Sheet – Wetland Restoration and Creation		6/00 7/00
43	1/9/01	IV	Revised Standards – 328 – Conservation Crop Rotation 386 – Field Border 399 – Fishpond Management 422 – Hedgerow Planting 645 – Upland Wildlife Habitat Management 644 – Wetland Wildlife Habitat Management		1/01
44	02/12/01	I-C	Maps Maryland Congressional Districts 8-digit HUA		2/01
45	3/8/01	IV	Revised Standards - 314 - Brush Management 342 - Critical Area Planting 393 - Filter Strip 516 - Pipeline 558 - Roof Runoff Structure 574 - Spring Development 614 - Watering Facility		4/01
46	06/19/01	IV	Cancelled Standards – 322 – Channel Vegetation 324 – Chiseling and Subsoiling 326 – Clearing and Snagging 402 – Dam, Floodwater Retarding Structure 349 – Dam, Multiple Purpose 392 – Field Windbreak 394 – Firebreak 408 – Forest Land Erosion Control System 411 – Grasses and Legumes in Rotation 436 – Irrigation Storage Reservoir 442 – Irrigation System, Sprinkler 441 – Irrigation System, Trickle 449 – Irrigation Water Management 460 – Land Clearing		06/01

Notice		Section	Action Required	Pages	
No.	Date			No. (s)	Dates
			543 – Land Reconstruction, Abandoned Mined Land 544 – Land Reconstruction, Currently Mined Land 466 – Land Smoothing 484 – Mulching 582 – Open Channel 562 – Recreation Area Improvement 566 – Recreation Land Grading & Shaping 568 – Recreation Trail & Walkway 572 – Spoilbank Spreading 577 – Stormwater Management System 589 – Stripcropping, Wind Cancelled Standards (continued) – 610 – Toxic Salt Reduction 654 – Woodland Improved Harvesting 660 – Woodland Pruning 490 – Woodland Site Preparation		
47	06/27/01	IV	Revised Standards – 362 – Diversion 412 – Grassed Waterway 590 – Nutrient Management New Standard – 360 – Closure of Waste Impoundments		
48	07/26/01	IV	New Standard – 635 – Wastewater Treatment Strip		
49	11/30/01	IV	Revised Standards – 702 – Agrichemical Handling Facility 612 – Tree/Shrub Establishment 472 – Use Exclusion New Standard – 749 – Waste Field Storage		
50	1/16/02	IV	New Standard – 332 – Contour Buffer Strips Cancelled Standards – 330 – Contour Farming 331 – Contour Orchard and Other Fruit Area 585 – Stripcropping, Contour 586 – Stripcropping, Field 312 – Waste Management System 641 – Water Table Control		

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No.	**Date**			**No. (s)**	**Dates**
51	3/15/02	IV	Revised Standard – 728 – Stream Crossing New Standards – 642 – Water Well 638 – Water and Sediment Control Basin		
52	7/22/02	IV	Revised Standards – 327 – Conservation Cover 410 – Grade Stabilization Structure 350 – Sediment Basin 580 – Streambank and Shoreline Protection 587 – Structure for Water Control 606 – Subsurface Drain 607 – Surface Drainage, Field Ditch 608 – Surface Drainage, Main or Lateral 600 – Terrace 620 – Underground Outlet 380 – Windbreak/Shelterbelt Establishment		
53	10/29/02	IV	Revised Standards – 317 – Composting Facility 342 – Critical Area Planting 432 – Dry Hydrant 646 – Shallow Water Area for Wildlife 658 – Wetland Creation 657 – Wetland Restoration Engineering Design Sheet – Dry Hydrant Planning Information and Design, MD-ENG-228		
54	2/24/2003	IV	Revised Standards - 666 - Forest Stand Improvement 521A - Pond Sealing or Lining, Flexible Membrane 521B - Pond Sealing or Lining, Soil Dispersant 521C - Pond Sealing or Lining, Bentonite Treatment		
55	5/19/2003	IV	Revised Standards – 561 – Heavy Use Area Protection 313 – Waste Storage Facility (formerly Waste Storage Structure) 359 – Waste Treatment Lagoon 633 – Waste Utilization Cancelled Standards – 749 – Waste Field Storage		

Notice		Section	Action Required	Pages	
No.	**Date**			**No. (s)**	**Dates**
56	7/21/03	IV-B	New Maryland Jobsheets – Cool-Season Grasses Warm-Season Grasses Trees and Shrubs (Containerized/B&B) Trees and Shrubs (Bare-Root) Windbreaks for Poultry Houses		7/03
57	7/22/03	IV	Revised Standard – 382 – Fence MD-RES-382 Practice Checklist 19 Standard Drawings for Fence New Standards – 511 – Forage Harvest Management MD-RES-511 Practice Checklist 595 – Pest Management MD-RES-595 Practice Checklist Cancelled Standard – 991-G – Record Keeping		7/03
58	1/15/04	IV	Revised Standard – 725 – Sinkhole and Sinkhole Area Treatment (formerly Code 234-I) Two (2) Standard Drawings for Sinkhole and Sinkhole Area Treatment		1/04
59	3/25/04	IV-A	New and Revised Standards – 332 - Contour Buffer Strips 330 - Contour Farming 340 - Cover Crop 441 - Irrigation System, Microirrigation 442 - Irrigation System, Sprinkler 447 - Irrigation System, Tailwater Recovery 449 - Irrigation Water Management 512 - Pasture and Hay Planting 516 - Pipeline 329A - Residue Management, No-Till/Strip-Till 329B - Residue Management, Mulch-Till 329C - Residue Management, Ridge-Till 344 - Residue Management, Seasonal 585 - Stripcropping New Checklist - MD-RES-512 Practice Checklist		3/04
		IV-B	New Maryland Instruction Sheets - Comparing Warm-Season and Cool-Season Grasses Pasture and Hay Planting		 1/04 3/04

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60	9/23/04	IV-A	Revised Standards – 340 - Cover Crop 558 - Roof Runoff Structure 560 - Access Road 578 - Stream Crossing 702 - Agrichemical Mixing Facility		9/04
61	8/15/05	IV-A	Revised Standard – 528 - Prescribed Grazing MD-RES-528 Worksheets 1 - 10		7/05
62	3/27/06	IV-A	New Interim Standard – 789 – Transition to Organic Production		3/06
63	11/28/06	IV-A	New Standards and Checklist – 366 - Anaerobic Digester, Controlled Temperature; 592 – Feed Management MD-RES-592 Checklist Revised Standards – 314 - Brush Management; 360 - Closure of Waste Impoundments; 468 - Lined Waterway or Outlet; 345 - Residue and Tillage Management, Mulch-Till; 329 - Residue and Tillage Management, No-Till/Strip-Till/Direct-Seed; 391 - Riparian Forest Buffer; 646 - Shallow Water Development and Management; 606 - Subsurface Drain; 645 - Upland Wildlife Habitat Management; 359 - Waste Treatment Lagoon; 642 - Water Well; 658 - Wetland Creation; 657 - Wetland Restoration; 644 - Wetland Wildlife Habitat Management.		11/06

Notice		Section	Action Required	Pages	
No.	**Date**			**No. (s)**	**Dates**
64	4/4/07	I	Updated Table of Contents and various references throughout this section.		3/07
		III	Updated Table of Contents and added CSG Summary Table. Minor revisions to the Guidance Documents subsection (updated practice names and codes in these documents).		3/07
		V	Updated Table of Contents, added CPPE table and explanatory information. Minor revisions to the Overview page and to the Effects of Resource Management Systems (updated practice names and codes in the document).		4/07
65	5/23/07	IV-A	New Standards – Fish Passage (Code 396) Prescribed Forestry (Code 409) Stream Habitat Improvement and Management (Code 395)		5/07
			New Technical Note – Windbreak Plant Species for Odor Management around Poultry Production Facilities		3/07
			Revised Standards – Nutrient Management (Code 590) Use Exclusion (Code 472)		5/07
66	11/14/07	I	Updated Table of Contents. Added DE-MD Wetland Mapping Conventions to this section.		11/07
		IV	Updated Table of Contents. Issued Standards – • Forest Stand Improvement (Code 666); • Manure Transfer (Code 634); • Residue and Tillage Management, No-Till/Strip-Till/Direct-Seed (Code 329); • Residue and Tillage Management, Mulch-Till (Code 345); • Streambank and Shoreline Protection (Code 580); • Windbreak/Shelterbelt Establishment (Code 380). Issued the following Maryland job sheet: • Windbreaks for Poultry Houses.		11/07
		V	Updated Table of Contents.		11/07
			Updated CPPE table.		10/07

Notice		Section	Action Required	Pages	
No.	**Date**			**No. (s)**	**Dates**
67	2/20/08	IV	New Standards – Amendments for Treatment of Agricultural Waste (Code 591) Animal Mortality Facility (Code 316) Irrigation Water Conveyance, High-Pressure, Underground, Plastic Pipeline (Code 430DD) Pond Sealing or Lining, Compacted Clay Treatment (Code 521D) Revised Standards – Composting Facility (Code 317) Spring Development (Code 574) Structure for Water Control (Code 587) Surface Drainage, Field Ditch (Code 607) Waste Storage Facility (Code 313) Watering Facility (Code 614)		2/08 2/08
68	9/25/08	IV	New Standard – Early Successional Habitat Development/ Management (Code 647) Revised Standards – Agrichemical Handling Facility (Code 309) Field Border (Code 386) Heavy Use Area Protection (Code 561) Tree/Shrub Establishment (Code 612)		9/08 9/08
69	11/18/08	IV	New Standards – Firebreak (Code 394) Restoration and Management of Rare or Declining Habitats (Code 643) Solid/Liquid Waste Separation Facility (Code 632) Revised Standards – Amendments for Treatment of Agricultural Waste (Code 591) Sinkhole and Sinkhole Area Treatment (Code 527) – previously Code 725.		11/08 10/08 11/08

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No.	**Date**			**No. (s)**	**Dates**
70	1/21/09	IV	Revised Standards – Access Control (Code 472) – formerly Use Exclusion Field Border (Code 386) Filter Strip (Code 393) New Standard – Riparian Herbaceous Cover (Code 390)		1/09 1/09
71	1/8/10	II	New Soil Survey Data – Allegany County Cecil County Kent County Prince Georges County Talbot County		1/10
72	1/29/10	IV	Revised Standard – Cover Crop (Code 340) New Standard – Seasonal High Tunnel System for Crops (Code 798) Deleted Standard - Transition to Organic Production (Code 789)		1/10 1/10
73	3/8/10	III IV	Added National Conservation Activity Plans – • Comprehensive Nutrient Management Plan Criteria (Code 102) • Forest Management Plan Criteria (Code 106) • Irrigation Water Management Plan Criteria (Code 118) • Agricultural Energy Management Plan Criteria (Code 122) Revised Standard – Seasonal High Tunnel System for Crops (Code 798)		 3/09 3/09 3/09 3/09 3/10

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74	11/30/10	IV	Revised Standards –		
			Hedgerow Planting (Code 422)		11/10
			Integrated Pest Management (Code 595) - formerly "Pest Management"		11/10
			Seasonal High Tunnel System for Crops (Code 798)		10/10
			Windbreak/Shelterbelt Establishment (Code 380)		11/10
			New Standard—		
			Pumping Plant (Code 533)		11/10
			New Job Sheets –		
			Hedgerow Planting – Trees & Shrubs for Poultry Houses		11/10
			Hedgerow Planting – Warm-Season Grasses for Poultry Houses		11/10
			Deleted Standard -		
			Prescribed Forestry (Code 409)		
75	12/21/11	III	Updated Conservation Activity Plans –		12/11
			Comprehensive Nutrient Management Plan Criteria (Code 102)		
			Nutrient Management Plan Criteria (Code 104)		
			Forest Management Plan Criteria (Code 106)		
			Integrated Pest Management Plan Criteria (114)		
			Irrigation Water Management Plan Criteria (Code 118)		
			Agriculture Energy Management Plan Criteria, Headquarters Criteria (122)		
			Agriculture Energy Management Plan Criteria, Landscape Criteria (124)		
			Drainage Water Management Plan Criteria (130)		
			Conservation Plan Supporting Organic transition Plan Criteria (138)		

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No.	**Date**			**No. (s)**	**Dates**
		IV	Revised Standards –		
			Pond Sealing or Lining Bentonite Treatment		12/11
			Pond Sealing or Lining Soil Dispersant Treatment		12/11
			Roof Runoff Structure		12/11
			Stream Crossing		12/11
			Underground Outlet		12/11
			New Standards –		
			Farmstead Energy Improvement		12/11
			Obstruction Removal		12/11
			Roofs and Covers		12/11
76	01/17/11	IV	Revised Job Sheets –		
			Cool Season Grasses\		10/11
			Herbaceous Plantings for Pollinator Habitat		01/12
			Warm Season Grasses		10/11
77	03/21/12	IV	Revised Job Sheet –		
			Seasonal High Tunnel for Crops		03/12
78	04/02/12	IV	New Standards –		
			Animal Trails and Walkway		03/12
			Drainage Water Management		03/12
			Irrigation Reservoir		03/12
			Well Water Testing		03/12
			Revised Standards –		
			Irrigation System, Microirrigation		03/12
			Irrigation System, Tailwater Recovery		03/12
			Irrigation Water Management		03/12
			Pumping Plant		03/12
			Waste Recycling		03/12
			Waste Transfer		03/12
			Watering Facility		03/12
			Water Well		03/12
79	04/30/12	III	Table of Contents		04/12
		IV	New Standards -		
			Alley Cropping		04/12
			Herbaceous Weed Control		04/12
			Mulching		04/12
			Tree/Shrub Site Preparation		04/12

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No.	**Date**			**No. (s)**	**Dates**
80	01/02/2013	III	Table of Contents		
			Resource Concerns and Planning Criteria for Conservation Planning		10/12
		IV	New Standards -		
			Deep Tillage		11/12
			Revised Standards -		
			Conservation Crop Rotation		12/12
			Cover Crop		10/12
			Forage Harvest Management		11/12
			Prescribed Grazing		10/12
			Nutrient Management		11/12
81	02/20/2013	III	List of Conservation Activity Plans (CAP)		
			Updated Conservation Activity Plans and Plan Templates		
82	03/11/2013	IV	New Standards -		
			Channel Bed Stabilization		03/13
			Dike		03/13
			Prescribed Burning		03/13
			Spoil Spreading		03/13
			Stormwater Runoff Control		03/13
			Waste Treatment		03/13
			Water Well Decommissioning		03/13
			Wetland Enhancement		03/13
			Revised Standards		
			Critical Area Planting		03/13
			Forage and Biomass Planting		03/13
			Livestock Pipeline		03/13
			Waste Facility		03/13
83	08/23/2013	IV	Cover Crop		08/13
			Cover Crop – 340 Conservation Practice Job Sheet		08/13
			NRCS Cover Crop Termination Guidelines Non-irrigated Cropland		08/13
84	09/11/2013	III	Table of Contents		10/13
			Resource Concerns and Planning Criteria for Conservation Planning		10/13
85	12/16/2013	III	List of Conservation Activity Plans (CAP)		
			Updated Conservation Activity Plans and Plan Templates		
86	02/14/2014	I	New Table of Contents		01/14
		II	New Table of Contents		
		II-E	Wildlife Habitat Evaluation Worksheet (PDF & Excel)		01/14

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No.	**Date**			**No. (s)**	**Dates**
		II-E	Bog Turtle Wildlife Habitat Evaluation Guide Wildlife Habitat Evaluation Guide for the Golden-Winged Warbler		01/14 01/14