

**FIELD OFFICE TECHNICAL GUIDE NOTICES
INDEX OF VERMONT NOTICES**

NOTICE NUMBER	DATE ISSUED	SUBJECT
239	4/24/95	VT-FOTG REF WQ #21 – “Nutrient and Sediment Control System”
240	4/21/95	RUSLE – “Interpretive Grouping Table”
241	6/2/95	WETS Table (Climate Data)
242	7/3/95	Revised Universal Soil Loss Equation (RUSLE)
243	8/1/95	VT-FOTG REF WQ #15 – “Water Quality and Quantity Tools for Use in Planning Resources”
244	10/5/95	“Farm Profitability With Intensive Grazing” “Farm Profitability With Intensive Rotational Stocking”
245	10/19/95	VT-FOTG REF ENG #20 – “Guidelines for Streambank Restoration”
246	4/12/96	“Accepted Agricultural Practices (AAP’s) and Best Management Practice (BMP’s) Regulations”
247	1/3/96	VT-FOTG REF ECOL #33 – “Vermont Stream Bank Restoration Guide”
248	7/9/97	VT-FOTG REF ECOL #34 – “Vermont Significant Habitat Maps”
249	9/19/97	VT-FOTG REF ECOL #36 – “Buffers for Wetlands and Surface Waters, a Guidebook for New Hampshire Municipalities”
250	9/22/97	VT-FOTG REF ECOL #36 – “Conserving Grassland Birds”
251	12/1/97	Standard 596 – “Agrichemical Handling Facility”
252	7/20/98	Standard 313 – “Waste Storage Facility”
253	2/18/98	Standard 342 – “Dry Hydrant”
254	3/4/98	NRAES 11 – “High Tensile Fencing”
255	5/13/98	Standard 580 – “Streambank and Shoreline Protection
255A	3/31/98	NRAES – 98, “Liquid Manure Application Systems Design Manual”

256	5/13/98	Standard 561 – “Heavy Use Area Protection”
257	1/25/99	“Stream Visual Assessment Protocol”
258	2/1/99	Standard 634 – “Manure Transfer”
259	2/8/99	“Dispelling Common Myths about Phosphorous in Agriculture and the Environment”
260	***	No Notice Issued!
261	2/10/99	Standard 528A – “Prescribed Grazing”
262	4/26/99	Standard 560 – “Access Road” Standard 575 – “Animal Trails and Walkways” Standard 326 – “Clearing and Snagging” Standard 317 – “Composting Facility” Standard 342 – “Critical Area Planting” Standard 362 – “Diversion” Standard 410 – “Grade Stabilization Structure” Standard 412 – “Grassed Waterway” Standard 468 – “Lined Waterway or Outlet” Standard 500 – “Obstruction Removal” Standard 582 – “Open Channel” Standard 516 – “Pipeline” Standard 378 – “Pond” Standard 558 – “Roof Runoff Management” Standard 350 – “Sediment Basin”
263	4/29/99	“Public Water Supply Protection Area Maps”
264	5/3/99	VT-FOTG REF ECOL #5 – “Vermont’s Rare and Uncommon Native Plants” and “Vermont’s Rare and Uncommon Native Animals”
265	5/10/99	Standard 590 – “Nutrient Management”
266	6/3/99	Table of Content for Section II of FOTG
267	***	No Notice Issued!
268	Undated	“Nitrate Leaching Index Maps”
269	8/2/99	Standard 748 – “Record Keeping”
270	8/24/99	Amendment I to “Soil Potential and Forest Land Value Groups for Vermont Soils”

271	8/30/99	NRAES – 109, “Earthen Manure Storage Design Considerations”
272	9/21/99	Nutrient Management Reference Material
273	9/21/99	“Pest Management Job Sheet” “Record Keeping Sheet”
274	11/23/99	Distribute Updated FOTG Publication Dates for Section II
275	2-10-00	Distribute Geology Technical Note No. 5 (Rev. 1, 1989) “SEEPAGE: A System for Early Evaluation of the Pollution Potential of Agricultural Groundwater Environments”
276	3-1-00	Soil Survey Progress Maps
277	3-22-00	Distribute ARS-149, “Agricultural Phosphorous and Eutrophication”
278	3-17-00	Standard 390 – “Riparian Herbaceous Buffer”
279	4-10-00	VT-FOTG REF ECOL #38 – “CORE 4”
280	4-14-00	Standard 521A – “Pond Sealing – Flexible Membrane...” Standard 574 – “Spring Development” Standard 584 – “Stream Channel Stabilization” Standard 580 – “Streambank and Shoreline Protection” Standard 587 – “Structure for Water Control” Standard 606 – “Subsurface Drainage” Standard 607 – “Surface Drainage, Field Ditch” Standard 608 – “Surface Drainage, Main or Lateral” Standard 614 – “Trough or Tank” Standard 620 – “Underground Outlet” Standard 312 – “Waste Management System” Standard 313 – “Waste Storage Facility” Standard 359 – “Waste Treatment Lagoon” Standard 635 – “Wastewater Treatment Strip” Standard 638 – “Waste and Sediment Control Basin”
281	5-5-00	Nutrient Management Plan Checklist
282	10/27/00	VT-FOTG REF WQ #25 – “Principal Pathogens of Concern Cryptosporidium and Giardia” VT-FOTG REF WQ #26 – “Principal Pathogens of Concern Escherichia Coli” VT-FOTG REF WQ #27 – “Principal Pathogens of Concern Pfiesteria and Harmful Algal Blooms” VT-FOTG REF WQ #28 – “Waterborne Pathogens in Agricultural

		Watersheds”
283	12/14/00	2001 Cornell Guide for Integrated Field Crop Management
284	12/27/00	VT-FOTG REF ENG #16 – “Stormwater Management Procedures”, December 15, 1997
285	1/19/01	Correction to FOTG Numbered Technical Reference Index
286	4/12/01	VT-FOTG REF ENG #1 – Revised “Guide for the Design and Construction of Conservation Practices”, April 2001
287	4/9/01	RUSLE – Updated Contour P Subfactors
288	4/11/01	Invasive Plant Management
289	6/1/01	Standard 391 – “Riparian Forest Buffer” Standard 660 – “Tree/Shrub Pruning” Standard 659 – “Wetland Enhancement” Standard 647 – “Early Successional Habitat Dev.” Standard 657 – “Wetland Restoration” Standard 658 – “Wetland Creation” Standard 643 – “Rest. & Man. Of Declining Habitats” Standard 338 – “Prescribed Burning” Standard 644 – “Wetland Wildlife Habitat Management” Standard 574 – “Spring Development” Standard 393 – “Filter Strip”
290	7/11/01	VT-FOTG REF ENG #24, MWPS AED – 45 “Using All-Weather Geotextile Lanes and Pads VT-FOTG REF WQ #23 & 30, Renumbered
291	7/30/01	Standard 360 – “Closure of Waste Impoundments” Standard 656 – “Constructed Wetland” Standard 330 – “Contour Farming” Standard 585 – “Contour Stripcropping” Standard 432 – “Dry Hydrant” Standard 412 – “Grassed Waterway” Standard 561 – “Heavy Use Area Protection” Standard 586 – “Stripcropping, Field” Standard 359 – “Waste Treatment Lagoon” Standard 313 – “Waste Storage Facility”
292	12/18/01	Hydric Soil Technical Note VT-1
293	12/18/01	Prime Farmland Guidance on Criteria 9B and 9C in Act 250

294	1/25/02	Soil Survey Progress Maps
295	1/29/02	Soil Survey Evaluation Sheets
296	3/11/02	NRAES – 143, Dairy Manure Systems: Equipment and Technology
297	4/19/02	<ul style="list-style-type: none"> • Replace VT – FOTG Reference Engineering #7 – Rock Material Field Classification • Replace VT – FOTG Reference Engineering #13 – VOSHA Safety and Health Standards • Cancel VT – FOTG Reference Engineering #12, #14, #15, and #20
298	5/31/02	Transmit FOTG Section II, Soil Electronic Format
299	7/2/02	Replace Standard 635 – “Wastewater Treatment Strip”
300	7/19/02	Standard 560 – Access Road Standard 317 – Composting Facility Standard 342 – Critical Area Planting Standard 362 – Diversion Standard 460 – Forest Site Preparation Standard 666 – Forest Stand Improvement Standard 655 – Forest Trails and Landings Standard 590 – Nutrient Management Standard 516 – Pipeline Standard 521C – Pond Sealing or Lining, Bentonite Standard 521B – Pond Sealing or Lining, Soil Dispersant Standard 558 – Roof Runoff Structure Standard 512 – Tree/Shrub Establishment Standard 620 – Underground Outlet Standard 633 – Waste Utilization Standard 642 – Water Well Standard 614 – Watering Facility CANCEL Standard 748 – Record Keeping CANCEL Standard 312 – Waste Management System
1	7/26/02	Updated FOTG Numbered Technical References: - Conservation Planning Application - Ecological Sciences - Economics
2	9/3/02	Standard 314 – Brush Management Standard 327 – Conservation Cover Standard 328 – Conservation Crop Rotation Standard 511 – Forage Harvest Management Standard 484 – Mulching Standard 329B – Residue Management, Mulch Till Standard 329A – Residue Management, No-Till/Strip Till Standard 344 – Residue Management, Seasonal

		Standard 395 – Stream Habitat Improvement & Manage. Standard 645 – Upland Wildlife Habitat Management Standard 380 – Windbreak/Shelterbelt Establishment Standard 650 – Windbreak/Shelterbelt Renovation
3	10/2/02	Standard 332 – Contour Buffer Strips Standard 340 – Cover Crop Standard 382 – Fencing Standard 386 – Field Border Standard 396 – Fish Passage Standard 422 – Hedgerow Planting Standard 460 – Land Clearing Standard 512 – Pasture and Hay Planting Standard 595 – Pest Management Standard 472 – Use Exclusion
4	10/02/02	Standard 332 – Contour Buffer Strips Standard 340 – Cover Crop Standard 382 – Fencing Standard 386 – Field Border Standard 396 – Fish Passage Standard 422 – Hedgerow Planting Standard 460 – Land Clearing Standard 512 – Pasture and Hayland Planting Standard 595 – Pest Management Standard 472 – Use Exclusion
5	1/24/03	The following documents have been updated: - Status of Digital Soil Survey in Vermont - Status of Soil Mapping in Vermont - Status of Soil Survey in Vermont - Practice Description Form for Cultural Resources (Complete) - Cultural Resources Trip Report (Complete)
6	2/14/03	Changes to Section I of the FOTG
7	3/7/03	Revised Vermont Operation and Maintenance (O&M) Plans
8	3/7/03	Standard 702 – Agrichemical Handling Facility Standard 749 – Field Waste Stacking Area Standard 717 – Livestock Shade Structure Standard 500 – Obstruction Removal Standard 528 – Prescribed Grazing Standard 789 – Transition to Organic Production Standard 313 – Waste Storage Facility Standard 638 – Water and Sediment Control Basin
9	3/7/03	Revised VT-FOTG REF ENG #8, Drainage Areas of Vermont
9A	3/27/03	Revised VT-FOTG REF ENG #8, Drainage Areas of Vermont (Corrections from Notice 9)
10	6/12/03	2003 Average Component Cost Data. Standard 585 – Stripcropping (Replace Field and Contour Stripcropping)

11	7/1/03	Standard 701 – Ag. Fuel Secondary Containment Facility Standard 316 – Animal Mortality Facility Standard 575 – Animal Trail and Walkways Standard 326 – Clearing and Snagging Standard 382 – Fence Standard 396 – Fish Passage Standard 468 – Lined Waterway or Outlet Standard 719 – Milkhouse Wastewater Infiltration Area Standard 378 – Pond Standard 338 – Prescribed Burning Standard 533 – Pumping Plant Standard 643 – Rest. & Man. of Declining Habitats Standard 395 – Stream Habitat Improvement & Man. Standard 607 – Surface Drainage, Field Ditch Standard 608 – Surface Drainage, Main or Lateral Standard 645 – Upland Wildlife Habitat Management Standard 644 – Wetland Wildlife Habitat Management
12	8/6/03	<ul style="list-style-type: none"> • Add VT-FOTG REF CPA #16, Vegetating with Native Grasses in Northeastern North America, 1997, currently on file in Field Offices. • Add VT-FOTG REF CPA #17, Vermont ANR – Air Quality Control Division, State Implementation Plan • Add VT-FOTG REF CPA #18, Vermont ANR – Air Pollution Control Regulations • Add VT-FOTG REF CPA #19, EPA Approved Vermont Air Pollution Control Regulations • Remove VT-FOTG REF Ecol. Sc. #5, Vermont Threatened and Endangered Species Fact Sheet. • Replace VT-FOTG REF Ecol. Sc. #5 with, Fish & Wildlife Habitat Management Leaflets • Add VT-FOTG REF Ecol. Sc. #12, Wild Apple Trees for Wildlife, March 2003 • Add VT-FOTG REF Ecol. Sc. #13, Rejuvenating Old Apple Trees, December 1999 • Add VT-FOTG REF Ecol. Sc. #16, Management Guide for Deer Wintering Areas in Vermont, 1990 • Remove VT-FOTG REF Ecol. Sc. #17, A Landowner’s Guide: Wildlife Habitat Management for Vermont Woodlands – 1979 • Replace VT-FOTG REF Ecol. Sc. #17 with, A Landowner’s Guide: Wildlife Habitat Management for Vermont Woodlands, 1995 • Add VT-FOTG REF Ecol. Sc. #18, Managing Michigan’s Wildlife: A Landowner’s Guide, 1995 • Add VT-FOTG REF Ecol. Sc. #21, How to Prune Trees, USFS, 1995

		<ul style="list-style-type: none"> • Add VT-FOTG REF Ecol. Sc. #42, TNC –Invasives on the Web – Control Methods, etc. • Add VT-FOTG REF Ecol. Sc. #43, Silvics of North America – Volume 1:Conifers, Volume 2: Hardwoods (USFS), 1990 • FOTG, Section III-E, Add, CNMP Quality Criteria (NPPH CNMP Technical Guidance)
13	8/8/03	Updated Climate Tables – 1971 thru 2000
14	8/8/03	Revised County Hydric Soil Tables
15	8/8/03	New Soil – Septic Ratings
16	8/8/03	Updated Hydrologic Soil Groups for Vermont
17	8/8/03	GIS Nitrate Leaching Index Data Layer
18	9/17/03	<p>Replace CPA #1 – “2003 Cornell Guide for Integrated Field Crop Management”</p> <p>Replace CPA #12 – “2003 Guidelines for Vermont Organic Certification”</p> <p>Add – CPA #14 – Guidelines for Dairy Farms Making Transition to Certified Organic Milk Production”</p>
19	12/13/03	<p>Add CPA #20 – “CAFO Rule Fact sheet</p> <p>Add CPA #21 – “Guide to Pasture Condition Scoring”</p> <p>Add CPA #22 – “Pasture Condition Score Sheet”</p> <p>Replace CPA #10 – “Vegetating Vermont Sand and Gravel Pits”</p> <p>Add WQ #6 – “Farm-A-Syst Worksheets”</p> <p>Add “Vermont Watershed Boundary Dataset”</p> <p>Update Vermont RMS Quality Criteria (Section III, B1)</p>
20	12/28/04	<p>The following references have been revised or added to the Field office Tech Guide:</p> <p>1- Operation and Maintenance Plan for Nutrient Management</p> <p>2- Updated Field Waste Stacking Area (749) practice standard</p> <p>3- Updated URLs for following technical guide references: --Engineering #20 (Guidelines for Streambank Restoration) --Water Quality #25 (ARS-149) Agricultural Phosphorous and Eutrophication, 9/2003</p> <p>4- Updated Watershed Boundary maps for Vermont and Natural Resource Conservation Districts.</p> <p>5- County Level nitrate leaching maps (Maps are not available for Orleans, Caledonia, Essex and Chittenden counties).</p>
21	3/10/04	<p>Replace CTA #3, Pesticide Safety Education and Pesticide Applicators Training Manual</p> <p>Replace CTA #6, Forage Field Guide (Purdue), 2004</p>
22	4/1/04	<p>The following references have been revised or added to the Field office Tech Guide.</p> <p>1- Vermont Handbook for Erosion Prevention and Sediment Control (2003), Vermont DEC (Available On-line)(Section I-A, Reference Lists, Engineering Reference #38)</p> <p>2- RUSLE2 Software and database download site. RUSLE 2 is the official erosion prediction software for use in</p>

		<p>conservation planning. Use of RUSLE version 1 is discontinued as of this date.</p> <p>3-The Release of the following Standards: 560-Access Road 366-Anaerobic Digester-Controlled Temperature 584-Channel Stabilization 317-Composting Facility 342-Critical Area Planting 356-Dike 353-Monitoring Well 484-Mulching 512-Pasture and Hay Planting 350-Sediment Basin 606-Subsurface Drain 367-Waste Facility Cover 313-Waste Storage Facility 359-Waste Treatment Lagoon</p> <p>4-New York Erosion and Sediment Control Manual (Available On-line)(Section I-A, Reference Lists, Engineering Reference #39)</p> <p>5-Natural and Artificial Regeneration as it Relates to the Establishment and Maintenance of Riparian Forest Buffers in the Northeastern U.S.: A Literature Review (Available On-line)(Section I-A, Reference Lists, Ecological Sciences Reference #20)</p> <p>6-The Use of Native Warm Season Grasses for Critical Area Stabilization (Available On-line) (Section I-A, Reference Lists, Conservation Planning Application Reference #23).</p>
23	5/24/04	<p>1. Release of the following standards: 490 – Forest Site Preparation 666 – Forest Stand Improvement 534 – Manure Transfer 585 – Stripcropping</p> <p>2. Reorganized FOTG Number Technical References: Agronomy/Grazing (NEW) Conservation Planning Application Ecological Science Economics Engineer Fisheries (NEW) Forestry/Wildlife (NEW) Plant Materials and Application (NEW) Water Quality</p> <p>3. Add ENG #39, NRAES 163 – Natural Rendering: Composting Livestock Mortality and Butcher Waste, 2002</p>
24	10/14/04	<p>1. Add ENG #36 – Silage Leachate web site</p> <p>2. Add ENG #27 – NEH Part 637, Ch. 2, Composting</p>

		<ol style="list-style-type: none"> 3. Add ENG #41 – NRAES 146, Guide to Dairy Odor Man., 2001 4. Add ENG #42 – MWPS – 18, Manure Management Systems: <ol style="list-style-type: none"> a. Section 1, Manure Characteristics, 2004 b. Section 2, Manure Storages, 2001 c. Section 3, Outdoor Air Quality, 2002 5. Add CTA #15, Conservation Buffer Resource Kit 6. Add CTA #16, Farmland Protection Policy Act 7. Add Ecol. Sc. #24 NRCS Wetland Restoration, Enhancement and Management 8. Section III, Conservation Planning Resource Assessment Tool 9. Section I, New Subsection (F), FOTG Transmittals 10. Section IV, New Practice S.O.W's 11. Section IV, New Non-Practice S.O.W's <ol style="list-style-type: none"> a. CNMP b. Conservation Planning c. Cultural Resources Archival Research d. Cultural Resources Evaluation e. Cultural Resources Identification Surveys
25	1/11/05	<ol style="list-style-type: none"> 1. Replace ENG #8 – Drainage Areas of VT Streams 2. Add ENG #44 – Vermont Drainage Guide 3. Soil Series of VT and their associated Natural Communities 4. Replace CPA #1 – 2005 Cornell Guide for Integrated Field Crop Management 5. Release the following Standards: <ul style="list-style-type: none"> 592 – Feed Management 344 – Residue Management 557 – Row Arrangement 351 – Well Decommissioning 6. Add VT SOW's for the following Practices: <ul style="list-style-type: none"> 528 – Prescribed Grazing 390 – Riparian Herbaceous Cover 512 – Pasture and Hayland Planting 342 – Critical Area Planting 382 – Fence 7. Add Resource Management System Resource Assessment and Planning Tools. 8. Replace CPA #4, Forage Guide, Purdue 9. Add CPA #17, Pesticide Safety Education with enclosed Pesticide Applicator Training Manual 10. Add ENG #41 – The Shoreline Stabilization Handbook for Lake Champlain and Other Inland Lakes 11. Correction to Numbering of ENG Tech References 12. Correction to Numbering of Ecol. Sc. Tech Reference 13. Correction to Numbering of CPA Reference 14. Status Maps of Soil Survey Program in Vermont, January 2005

