



Natural Resources Conservation Service  
Federal Building, Room 443  
10 East Babcock  
Bozeman, MT 59715

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May 23, 2003

**NATIONAL ENGINEERING HANDBOOK (NEH) FILING SYSTEM (PARTS 600/659)  
210-VI  
AMENDMENT MT27**

**SUBJECT:** ENG--DISTRIBUTION OF NATIONAL ENGINEERING HANDBOOK (NEH), PART 651, AGRICULTURAL WASTE MANAGEMENT FIELD HANDBOOK, CHAPTER 10, COMPONENT DESIGN, REVISED PAGES TO THE MONTANA SUPPLEMENT, "SIMPLIFIED AG-WASTE METHOD, VERSION 1.1" AND MONTANA TABULATION SHEETS

**Purpose.** To transmit revised pages to the Montana Supplement to the National Engineering Handbook (NEH), Part 651, Chapter 10, Component Design, Amendment MT27, "Simplified Ag-Waste Method, Version 1.1", and tabulation sheets for Parts 600/609--General and Part 651--Agricultural Waste Management Field Handbook.

**Effective Date.** This amendment is effective upon receipt.

**Explanation of Material.** This material replaces the Simplified As-Waste Method, Version 1.0 previously distributed in Amendment MT24, dated December 18, 2002. The primary change that is shown with this new version is the graphical representation of the 25-year rainfall infiltration intake on the Vegetated Filter Strip (VFS). This is based on variations of the VFS runoff curve number related to soil intake family number. The maximum intake of the dirty water for the 25-year storm analysis has been increased slightly with Version 1.1. This was done to tie in closer to results found with more detailed methods. An altered design strategy of considering the maximum intake of significant nutrients for the 25-year event as being mid-way between the clean and dirty water profiles is presented. All examples that were shown in Amendment MT24 have been reworked with Version 1.1 to show the change in results and are included in this amendment. All relevant discussions of the results of these examples has been corrected and is also included. Web site location for Simplified Ag-Waste Version 1.1 is:

<http://www.mt.nrcs.usda.gov/technical/eng/worksheets.html>.

**Filing Instructions.** In the National Engineering Handbook (NEH), Part 600/609, General, replace and insert the updated Montana Tabulation Sheet and after that insert the Montana Amendment 27 transmittal letter. In the National Engineering Handbook (NEH), Part 651, Agricultural Waste Management Handbook, replace and insert the green updated Montana tabulation sheet. After the index tab, Part 651, Ch. 10 remove and discard documentation

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Amend. MT24, Pages MT10-21/22; MT10-25 through MT10-28; MT10-31 through MT10-37; MT10(EX-5) through MT10(EX-20) dated December 2002. Insert after the index tab, Part 651, Ch. 10, Amend. MT27, Pages MT10-21/22; MT10-25 through MT10-28; MT10-31 through MT10-37; MT10(EX-5) through MT10(EX-20), pages dated December 2002 and May 2003.

Please contact Geoff Cerrelli at (406) 587-6853 or ReNae Grantier at (406) 587-6822 if you have any questions or concerns.

/s/ by Dave White on (5/23/03) / rg

DAVE WHITE  
State Conservationist

Enclosures

DIST: NEH  
cc w/encl:  
Engineers  
Field Offices  
Northern Plains State Conservation Engineers  
Craig Derickson, RTS, NRCS, Lincoln, Nebraska