



March 6, 2014

NEBRASKA TECHNICAL GUIDE (NETG) NOTICE NE-648

SECTION II –

STATEWIDE SOIL AND SITE INFORMATION includes:

Rangeland, Grazed Forestland, and Native Pastureland Interpretations; Ecological Site Descriptions

- Ecological Site Descriptions (ESD's) for MLRA 71 have been entered into the Ecological Site Information System (ESIS). Descriptions are now available for Limy Upland, Loamy Lowland, Loamy Upland, Loess Breaks, Sands, and Subirrigated ecological sites. See Ecological Site Descriptions Index – MLRA 71 for direct links to the individual site descriptions.
- ESD's for MLRA 102C have been entered into ESIS. Descriptions are now available for Loamy Lowland, Loamy Overflow, Loamy Upland, Loess Breaks, Limy Upland, and Subirrigated ecological sites. See Ecological Site Descriptions Index – MLRA 102C for direct links to the individual site descriptions.
- Section II Table of Contents has been updated with corrected links for all Ecological Sites. The links will now direct the user to the Ecological Site Descriptions Index for each MLRA. The index lists the ecological sites with approved descriptions and provides direct links to the summary reports.
- Ecological Site Keys have been added for MLRA's 65, 71, 75, 102C and 106.

Windbreak Interpretations

- Updates to the Introduction of the Conservation Tree/Shrub Group List make it match more closely with the current Web Soil Survey information; no additional species have been added.

Hydric Soils

- Updated the introduction to incorporate the new hydric soils criteria.

Cropland

- Added "Prime and Other Important Farmlands" pdf to the cropland folder, nothing was changed or added to the actual pdf file.

Nebraska Soil Survey Conversion Legend

- Added "Nebraska Soil Survey Conversion Legend" as a folder in Statewide Soil and Site Information
- Added "NE Soil Survey Conversion Legend" to this newly created folder.

OFFICIAL SOIL SURVEY INFORMATION (formerly named County Soil Survey Area and Site Information)

- Renamed the County Soil Survey Area and Site Information folder to "Official Soil Survey Information".
 - All individual county links were removed. And the Web Soil Survey, Soil Data Access, and Geodata Spatial Gateway links were added.



SECTION IV

Conservation Practices

NE-314 – Brush Management Standard

- Modified the 314 standard to remove the last references to the CPA-314 form as it has been eliminated. The Density Categories for Canopy Cover and Plant Density have also been updated.
 - NE-314DP – Brush Management Design Procedure has been modified to remove the last references to the CPA-314 form as it has been eliminated. The Density Categories for Canopy Cover and Plant Density have also been updated.

NE-326 – Clearing and Snagging Standard

- This standard has been updated to reflect recent changes to the National standard. Minor changes were made to content.

NE-342DP – Critical Area Planting Design Procedure

- Updated to add example seeding mixtures for carcass disposal sites.
- Three example mixtures are listed on page 11 of this design procedure.

NE-360 – Waste Facility Closure Standard

- This standard has been updated to reflect recent changes to the National standard. The practice name was changed from Closure of Waste Impoundments. Minor changes were made to content.

NE-528S – Prescribed Grazing Specifications

- Has been revised to include documentation requirements for grazing plans on cropland when cover crops, newly established grass seedings or crop residue are the only type of land being grazed.
- Information contained in Appendix A and exhibits A, B and C has been incorporated into the Specifications and removed as standalone items.

NE-600 – Terrace Standard

- This standard has been updated to reflect recent changes to the National standard. Much of the content in the previous standard has been removed and placed in a Nebraska Supplement to the National Engineering Handbook, Part 650, Chapter 8. Soils data was removed and should be obtained from Web Soil Survey or other sources. Description of terrace types and spacing requirements were moved to the Nebraska Supplement.
 - NE- Nebraska Supplement to the National Engineering Handbook, Part 650, Chapter 8 Terraces. *An official notice will be out soon for this supplement.* This supplement provides guidance for the types of terraces constructed in the State. The procedure for determining appropriate terrace spacing for each terrace type is provided. Maximum terrace spacing is dependent on the maximum horizontal interval, farmable interval in the case of parallel terraces, planned tillage, soil type, and location. It is important for designers to recognize the relationship between these as they are not necessarily the same for all terrace types. Examples are provided for calculating terrace spacing for various terrace types.

Jobsheets, Engineering Drawings and Construction Specs

- Revised NE-ECS-72 (Prescribed Burn Management Plan) to reflect changes in making the jobsheet more user friendly. (official notice will be out soon)
- Revised NE-CPA-666 (Forest Stand Improvement) to updated and fix various form fields

Tools

The Nebraska Prescribed Grazing Design Tool has been updated to incorporate a number of changes and additions requested by users of the tool.

Changes to worksheets within this tool include:

- Instructions: The instruction page has been modified to reflect the changes to the following forms.
- NE-CPA-17A: Different harvest efficiency may be selected for each field. Protected cells may be selected to allow use of the sum function.
- NE-CPA-17B: Different harvest efficiency may be selected for each field. Protected cells may be selected to allow use of the sum function.
- NE-CPA-17C: Different harvest efficiency may be selected for each field. Protected cells may be selected to allow use of the sum function.
- NE-CPA-17A,B,C: Updated plant community information for MLRA 102C to
- 528 Jobsheet Livestock Forage Balance-Annual: Fields added to allow documentation of existing and planned livestock inventory, forage inventory and forage balance. Only one harvest efficiency needs to be entered per field and each field may have different harvest efficiency.
- 528 Jobsheet Livestock Forage Balance-Monthly: Fields added to allow documentation of existing and planned livestock inventory, forage inventory and forage balance. Similar growth curves have been combined.
- 528 Jobsheet – Grazing Schedule (Options 1, 2, 3, and 4): Grazing schedule year is now editable. Option 1 has been changed to Option 1 manual.
- NE-ECS-14: This worksheet has been deleted.
- Example Prescribed Grazing Design Tool: The example of the completed jobsheets has been updated to reflect the changes in the tool.

NEW *Worksheets within this tool include:*

- NE-ECS-528 Cover Crops: This is a one page worksheet to be used when planning Prescribed Grazing and when the only fields in the conservation plan or contract are cropland fields being planted to grazed cover crops.
- NE-ECS-538 New Seeding: This is a one page worksheet to be used when planning Prescribed Grazing and when the only fields in the conservation plan or contract are cropland fields being planted to grazed cover crops.
- NE-ECS-528 Grazing Schedule option 1 (auto): The original grazing schedule option 1 has been modified to automatically highlight the grazing period when the start week is entered into the form.
- NE-ECS-414B: This short term monitoring documentation may be used for native rangeland, pastureland or cover crops. NE-ECS414A may be used for rangeland.

Statement of Work (SOW) – not usually included in the TGN, but reflects changes in section IV

- Prescribed Grazing (528) Statement of Work has been revised to reflect documentation requirements outlined in NE528S.
- Brush Management (314) Statement of Work has been revised to reference the NE-CPA-314 when we re-worked the standard and eliminated the CPS-314 form.

If you have any questions about ESD's, the prescribed grazing tool or the Prescribed Grazing Standards, please contact Nadine Bishop, State Rangeland Management Specialist, at (308) 882-4263 extension 1017 or by email at nadine.bishop@ne.usda.gov.

If you have any questions about the Windbreak Interpretations, please contact Constance Miller, State Forester, at (402) 437-4029 or by email at constance.miller@ne.usda.gov.

If you have any questions about the Hydric Soils and/or Soil Survey, please contact Dan Shurtliff, Assistant State Soil Scientist, at (402) 437-4117 or by email at dan.shurtliff@ne.usda.gov.

If you have any questions, about the NE326, NE360, NE600 Standards and/or the Nebraska Supplement to the National Engineering Handbook, Part 650, Chapter 8 Terraces, please direct them to your Area Engineer or Kevin Gustafson, Assistant State Conservation Engineer, at (402) 437-4042 or by email at Kevin.Gustafson@ne.usda.gov.

Douglas G. Gahn, Acting

CRAIG DERICKSON
State Conservationist

If you keep paper copies of the Table of Contents, use the following instructions below.

REMOVE AND RECYCLE	INSERT
ALL COUNTIES	ALL COUNTIES
Section II – Statewide Soil and Site Information Table of Contents T.G. Notice 643 MAY 2013	Section II – Statewide Soil and Site Information Table of Contents T.G. Notice 648 February 2014
Section II – Statewide Soil and Site Information; Ecological Site Descriptions MLRA 71 Ecological Site Descriptions Index T.G. Notice 608 OCTOBER, 2009	Section II – Statewide Soil and Site Information; Ecological Site Descriptions MLRA 71 Ecological Site Descriptions Index T.G. Notice 648 February 2014
NEW	Section II – Statewide Soil and Site Information; Ecological Site Descriptions MLRA 102C Ecological Site Descriptions Index T.G. Notice 648 February 2014
Section II – Statewide Soil and Site Information; Windbreak Interpretations Introduction of the Conservation Tree/Shrub Group List	Section II – Statewide Soil and Site Information; Windbreak Interpretations Introduction of the Conservation Tree/Shrub Group List T.G. Notice 648 February 2014
Section II – Statewide Soil and Site Information; Hydric Soils Introduction of the Hydric Soils T.G. Notice 591 October 2007	Section II – Statewide Soil and Site Information; Hydric Soils Introduction of the Hydric Soils T.G. Notice 648 February 2014
Section II – Statewide Soil and Site Information; Remove all individual county links	Section II – Statewide Soil and Site Information; Nebraska Soil Survey Conversion Legend (add new folder as #9 and removed all individual county links) T.G. Notice 648 February 2014
Section IV – Practice Standards and Specifications Table of Contents T.G. Notice 647 January 2014	Section IV – Practice Standards and Specifications Table of Contents T.G. Notice 648 February 2014
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Section IV – Conservation Practices Clearing and Snagging Standard (326) T.G. Notice 491 February 2001	Section IV – Conservation Practices Clearing and Snagging Standard (326) T.G. Notice 648 February 2014
Section IV – Conservation Practices Critical Area Planting Design Procedure (342DP) T.G. Notice 593 December 2007	Section IV – Conservation Practices Critical Area Planting Design Procedure (342DP) T.G. Notice 648 February 2014
Section IV – Conservation Practices Closure of Waste Impoundments Standard (360) T.G. Notice 502 October 2001	Section IV – Conservation Practices Waste Facility Closure Standard (360) T.G. Notice 648 February 2014
Section IV – Conservation Practices Prescribed Grazing Specifications (528S) Appendix A, Exhibit A, B and C T.G. Notice 643 May 2013	Section IV – Conservation Practices Prescribed Grazing Specifications (528S) T.G. Notice 648 February 2014

Section IV – Tools Nebraska Prescribed Grazing Design Tool T.G. Notice 643 May 2013	Section IV – Tools Nebraska Prescribed Grazing Design Tool T.G. Notice 648 February 2014
Section IV – Statement of Work 314 SOW December 2011	Section IV – Statement of Work 314 SOW T.G. Notice 648 February 2014
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