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December 28, 2011

NEBRASKA TECHNICAL GUIDE NOTICE (NETGN) NOTICE NE- 635

SECTION IV

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- STANDARDS:

Irrigation Canal or Lateral (Code 320) – Updated to the new national standard format issued in 2010. Added reference to Nebraska Supplements of the National Engineering Handbook for maximum permissible velocities and procedure for design of low gradient diversions.

Conservation Cover (Code 327) – A minor edit was made to correlate the Conservation Cover practice standard with the Upland Wildlife Habitat Management standard since many “wildlife seedings” will be done using 327 – Conservation Cover rather than 645 – Upland Wildlife Habitat Management as a result of the regional Practice Payment Scenarios developed for FY2012.

Cover Crop (Code 340) – The purpose to produce supplemental forage was removed. A Purpose and accompanying Criteria were added to promote biological nitrogen fixation and “Reduce Energy Use” by using legume cover crops. Additional Operation and Maintenance criteria were added to evaluate the onsite application of the practice to ensure the planned purposes are achieved.

Fuel Break (Code 383) – Adopted national standard format issued in 2005. Added the National Conservation Practice Standard used by Programs (CSP, EQIP, etc) in Nebraska. Policy requires that Nebraska must have the conservation practice standard developed by the state.

Irrigation Field Ditch (Code 388) – Updated to the new national standard format issued in 2011. Added reference to Nebraska Supplements of the National Engineering Handbook for maximum permissible velocities and procedure for design of low gradient diversions.

Fishpond Management (Code 399) – A new national practice standard was issued for 399 – Fishpond Management and existing Nebraska edits were incorporated. Updates were also made to include references to the Nebraska Aquatic Nuisance Species Management Plan and the Farm Pond Habitat Evaluation Worksheet.

Irrigation Ditch Lining (Code 428) – Updated to the new national standard format issued in 2011. A new Purpose of "Reduce Energy Use" with accompanying Criteria was added. An update to the minimum freeboard was added. Combined (Code 428A, 428B, and 428C) to incorporate materials such as concrete, flexible membranes, and galvanized steel into single standard.

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Irrigation Reservoir (Code 436) – Updated to the new national standard format issued in 2011. Irrigation Regulating Reservoir (Code 552) was combined into this standard. A new Purpose of 'Reduce Energy Use' with accompanying Criteria was added.

Irrigation System, Tailwater Recovery (Code 447) – Minor changes were made to conform to the new national standard issued in 2011 with remaining content staying the same. A new Purpose of 'Reduce Energy Use' with accompanying Criteria was added.

Irrigation Water Management (Code 449) – Minor changes were made to conform to the new national standard issued in 2011 with remaining content staying the same. A new Purpose of 'Reduce Energy Use' with accompanying Criteria was added.

Anionic Polyacrylamide (PAM) Erosion Control (Code 450) – Minor changes were made to conform to the new national standard issued in 2011 with remaining content staying the same. A new Purpose of 'Reduce Energy Use' with accompanying Criteria was added.

Irrigation Land Leveling (Code 464) – Minor changes were made to conform to the new national standard issued in 2010 with remaining content staying the same.

Pumping Plant (Code 533) – Updated to the new national standard format issued in 2011. A new Purpose of "Reduce Energy Use" and accompanying Criteria was added. The Criteria Applicable to All Purposes was augmented for renewable power units, and Additional Criteria Applicable to the Improvement of Energy Efficiency was removed. Additional criteria applicable to submersible pumps were added.

Range Planting (Code 550) – Revisions incorporates Ecological Site Description use for planning purposes and updates the reference section. Minor changes in wording occur throughout the standard.

Stream Crossing (Code 578) – A new national practice standard was issued for 578 – Stream Crossing and existing Nebraska edits were incorporated.

Feed Management (Code 592) – Adopted new national standard format issued in 2011. The units changed from Animal Units (Aus) or Number to only Aus. The purpose changed to include pathogen, odor, particulate matter, and greenhouse gas mitigation. Additions to Conditions Where Practice Applies, Criteria, Considerations, Operations and Maintenance, and References were made to support the change in Purpose. Added the National Conservation Practice Standard used by Programs (CSP, EQIP, etc) in Nebraska. Policy requires that Nebraska must have the conservation practice standard developed by the state.

Salinity and Sodic Soil Management (Code 610) – This standard was formally reviewed and updated to include public comments received through the *Federal Register* review process. Updates clarified the "Conditions Where Practice Applies" and "General Criteria Applicable to All Purposes" sections. Separate sections were added for criteria applicable to irrigated lands and to nonirrigated Lands. We expanded the sections for Criteria to Reduce Problems of Crusting, Permeability or Soil Structure on Sodium-Affected Soils, and to Saline Seeps and their Recharge Areas. The "Considerations" section was expanded, detailed requirements were added for "Plans and Specifications," the "Operation and Maintenance" section was deleted, and the "References" section was reduced.

Watering Facility (Code 614) – An edit was made to the existing 614 – Watering Facility practice standard to clarify the use of escape ramps to prevent wildlife drowning.

Solid/Liquid Waste Separation Facility (Code 632) - Changes were made to conform to the latest national standard format. This practice will be used in Animal Feeding Operations requiring separation of manure/soil solids from liquids for further storage and treatment. Solid/Liquid waste separation for open feed lot operations which were previously accomplished with the Sediment Basin (Code 350) standard should now use this practice.

Water Spreading (Code 640) - Minor changes were made to conform to the new national standard issued in 2011 with remaining content staying the same.

Windbreak/Shelterbelt Renovation (650) – Adopted the national standard format issued in 2010. In response to public comments, the term “pollinator” was added to the wildlife planning consideration that discusses species diversity.

Forest Trails and Landings (655) – Adopted the national standard format issued in 2011. In NHCP Notice 149 revising this practice, the announcement of the practice unit change from Acres to Feet was omitted and has caused some confusion. The units were changed to align with the units for Access Road (Ft.) (CPS Code 560) and Road/Trail/Landing Closure and Treatment (Ft.) (CPS Code 654). Added the National Conservation Practice Standard used by Programs (CSP, EQIP, etc) in Nebraska. Policy requires that Nebraska must have the conservation practice standard developed by the state.

/s/ Craig Derickson

CRAIG DERICKSON
State Conservationist

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<p>Section IV – Practice Standards and Specifications Windbreak/Shelterbelt Renovation (Code 650) T.G. Notice 595 April 2008</p>	<p>Section IV – Practice Standards and Specifications Windbreak/Shelterbelt Renovation (Code 650) T.G. Notice 635 December 2011</p>
<p>NEW</p>	<p>Section IV – Practice Standards and Specifications Forest Trails and Landings (Code 655) T.G. Notice 635 December 2011</p>