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October 4, 2012

## NEBRASKA TECHNICAL GUIDE NOTICE (NETGN) NOTICE NE- 640

### SECTION IV

- SECTION IV INDEX
- STANDARDS:

**NE430 – Irrigation Pipeline:** Updated to the new national standard format issued in 2011. New Purposes of "Reduce Energy Use" and "Develop Renewable Energy Systems" along with accompanying Criteria and Reference were added. Criteria regarding stands open to atmosphere stands closed to atmosphere, and inlets were added. Standards 430-cc, dd, ee, and ff are removed and combined into this new version.

#### **NE430s – Irrigation Pipeline, *Plastic Pipe Specification* updates include:**

- Combined 430EE and 430DD into this specification
- Added **Stands** to **Installation** section. Specified steel for dogleg or pump stand. Also specified that they should be painted, epoxy coated, powder coated, or galvanized.
- Removed ABS plastic under materials. ABS is only utilized for drainage, wastewater and venting, and it should not be used for irrigation purposes.
- Removed ASTMs: D2740, D2104, D2447. These have been withdrawn from ASTM publication.
- Added ASTMs: D 2464 (Threaded PVC Plastic Pipe Fittings), F 714 (PE pipe based on outside diameter), D 2466 (PVC Plastic Pipe Fittings, Schedule 40), D 2467 (PVC Plastic Pipe Fittings, Schedule 80).
- Added wording to **Testing** section.
- Put "Fittings, Joints, and Couplers" under the **Materials** section. Removed specifications for corrosion control for steel fittings, valves, bolted connections, and other flanged fittings. Added "they shall be painted or coated as recommended by the manufacturer or as shown on the drawings."
- Added **Basis of Acceptance** stating: acceptability of pipeline installation shall be determined by inspections by NRCS or Contractor certification.

#### **NE430s – Irrigation Pipeline, *Steel Pipe Specification* updates include:**

- Included above ground and buried pipe in this spec.
- Updated requirements for paint (including removal of lead-based paint reference).
- Updated coating requirements (including references to AWWA standards).
- Removed reference to ASTM A2119 Spiral Welded Steel.
- Added reference to:
  - ASTM A 134 Pipe, Steel, Electric-Fusion (Arc)-Welded (Sizes NPS 16 and Over)
  - ASTM A 135, Electric-Resistance-Welded Steel Pipe,
  - ASTM A 139, Electric-Fusion (Arc)-Welded Steel Pipe (NPS 4 and Over).
- Added reference to:
  - ASTM A 858, Heat-Treated Carbon Steel Fittings for Low-Temperature and Corrosive Service.
  - ASTM A 865, Threaded Couplings, Steel, Black or Zinc-Coated (Galvanized) Welded or Seamless, for Use in Steel Pipe Joints.
- Removed old requirements for epoxy coating, referenced AWWA C210 and C213 for epoxy coating requirements.
- Added **Basis of Acceptance** stating: acceptability of pipeline installation shall be determined by inspections by NRCS or Contractor certification.

DIST: allemp

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**NE657 – Wetland Restoration:** This standard was updated to conform to recent updates in the national practice standard. Additions were made to address specific Nebraska criteria for meeting the requirements of restoration as it relates to different drainage systems used.

**NE658 – Wetland Creation:** This standard was updated to conform to recent updates in the national practice standard. Minor additions were made to customize the standard to Nebraska situations.

**NE659 – Wetland Enhancement:** This standard was updated to conform to recent updates in the national practice standard. Minor additions were made to customize the standard to Nebraska situations.

If you have any questions on the Irrigation Standards and Specifications, please contact Bill Sabatka at (308) 395.8586. If you have any questions on the Wetland Standards, please contact Ritch Nelson at (402) 437.4100 or Jacob Robison at (402) 437.4030.

/s/ Craig Derickson

CRAIG DERICKSON  
State Conservationist

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

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