

United States Department of Agriculture



Natural Resources Conservation Service
2118 West Park Court
Champaign, IL 61821
Phone: 217/353-6600
Fax: 217/353-6676

October 6, 2004

TECHNICAL GUIDE NOTICE IL-146

Purpose: Notification of Illinois eFOTG postings.

Background: Access to eFOTG can be through the Illinois home page by clicking on "eFOTG" or by accessing <http://www.nrcs.usda.gov/technical/efotg/>

Section I:

Summary of Changes

Field Office Technical

Added Air Quality as a Reference to the Field Office Technical Guide References.

Reference List: Additions

File Climate Atlas of Illinois, Illinois State Water Survey, March 2004
(enclosed with this notice)

Erosion Prediction

Remove all RUSLE 1 material from the FOTG.
Place the RUSLE 1 material in Section I, Erosion Prediction RUSLE 1 archival files.
To transmit notification of the adoption of RUSLE 2.
Field office training on the RUSLE 2 model has been completed.
RUSLE 2 is a computer model that replaces RUSLE 1.
RUSLE 2 is now the official sheet and rill erosion predicting technology to be used by NRCS for conservation planning.
RUSLE 1 will only be used for the remainder of the crop year 2004 when servicing potential HEL non-compliance complaints.
The RUSLE 2 install package and county specific databases were provided to field offices on a CD or placed directly on the field office service center server.

Maps

In eFOTG moved Growing season/Plant Suitability Map Folder with all its contents from Section II to Section I.D. Maps

In eFOTG Section I. D. Maps removed LESA map dated 2002 and replaced with 2004 map

Section IV:

Section IV organization is being revised per National Bulletin 450-4-11 placing standards and specifications, job sheets, Statements of Work, Practice Documentation, Standard Drawings, Fact Sheets, etc. under the specific Conservation Practice folder.

Additions: Statement of Works (SOWs)

For each conservation practice standard

Additions: Non-Practice Statement of Works (SOWs)

For CNMP, Conservation Planning, and cultural resources

Revised Engineering Standards

- Sediment Basin (350)
 - Criteria for sediment basins used under the “Surface Mining and Reclamation Act” has been removed
- Well Decommissioning (351)
 - 3 new purposes added
 - Now complete removal of the well casing is encouraged
- Dike (356)
 - Extensive changes to prior standard
 - Added reference to IDNR-OWR floodway construction and construction/maintenance of dams.
 - Added Table 1. Minimum Design Criteria for Dikes
- Pond (378)
 - Emergency Spillways are now Auxiliary Spillways
 - Added SDR 35 for fills less than 9’
 - Added criteria for excavated ponds
- Line Waterways (468)
 - Practice is now limited to 50 ft³/s capacity
 - The maximum channel slope is now a 10:1
 - Chart showing ripraps Manning’s n removed
 - Specification remove
- Access Road (560)
 - Added references to particulate matter control
- Structure for Water Control (587)
 - No previous IL standard
 - Added reference to IDNR-OWR, DWRM construction in the floodway of rivers, lakes, and streams
- Subsurface Drain (606)
 - Filter material size criteria is removed and NEH Part 633, Chapter 26 referenced instead.
 - The original IL Subsurface Drain Specification was retained.
- Surface Drainage, Field Ditch (607)
 - Field Ditch Specifications sections removed
 - O & M Maintenance section added
- Surface Drainage, Main or Lateral (608)
 - Table of Hydraulic Radius vs. *n* removed
 - Table of Minimum Berm Width – Ditch Depth removed
 - Added references to EFH Part 650, Chapter 14, Section 650 or local drainage guide
 - O & M Maintenance section added
- Heavy Use Area Protection (561)
 - Added numerous references to limiting the generation of particulate matter.
 - Added reference to standards:
 - 342 – Critical Area Planting
 - 382 – Fencing
 - 528a – Prescribed Grazing
 - 393 – Filter Strip
 - 472 – Use Exclusion
 - 380 – Windbreak/Shelterbelt Establishment
 - 603 – Herbaceous Wind Barriers
- New Illinois Engineering Standards**
 - Anaerobic Digester Ambient Temperature (365)
 - Anaerobic Digester Controlled Temperature (366)
 - Stream Crossing (578)

- New Illinois standard
- Monitoring Well (353)
- Channel Stabilization (584)

Draft Standards and Specifications

- Animal Mortality Facility (316)
- Composting Facility (317)
- Waste Treatment Lagoon (357)
- Pumping Plant (533)
- Animal Trails and Walkways (575)
- Terrace (600)
- Manure Transfer (634)
- Manure Transfer (634)

Filing Instructions:

Insert a new divider or reference tab and label it **Air Quality**. Place the divider or reference tab in the Field Office Technical Reference File. **File** a copy of the Climate Atlas of Illinois under Air Quality in the Field Office Technical Reference File.

Place all RUSLE1 materials with other archived FOTG documents. Field offices were to install RUSLE 2 onto field office computers by 9/30/04. Questions regarding installation and operation of RUSLE 2 should be forwarded to the Area Agronomist.

For a complete list of what is to be in the technical reference file in each field office, go to eFOTG at <http://www.nrcs.usda.gov/technical/efotg/> then go to Section I. Reference Lists, then A. Subject List of References. This technical guide notice is filed under Section 1, "FOTG transmittals" at the eFOTG site.

/s/

WILLIAM J. GRADLE
State Conservationist

Enclosures

DIST: Field Offices
All Area Technical Specialists
Field Office Technical Guide Holders
Leadership Team