

November 21, 2014

## INDIANA FIELD OFFICE TECHNICAL GUIDE NOTICE IN-215

This notice transmits changes to the Indiana Field Office Technical Guide (FOTG) as described below.

1. The following new standard(s) or documents have been added to Section IV of the Field Office Technical Guide (FOTG) with the following significant changes.
  - a. **801 – Amending Soil Properties with Gypsiferous Products (October 2014)**  
Significant Changes: new.
  - b. **396 – Aquatic Organism Passage (October 2014)**  
Significant Changes: new.
  - c. **672 – Building Envelope Improvement (October 2014)**  
Significant Changes: new, including the insulation criteria from (374) Farmstead Energy Improvement.
  - d. **670 – Lighting System Improvement (October 2014)**  
Significant Changes: new, including the lighting criteria from (374) Farmstead Energy Improvement.
  - e. **649 – Structures for Wildlife (October 2014)**  
Significant Changes: new, including the edge feathering criteria from (647) Early Successional Habitat Development/Management.

The Toolkit domain data will need updated to use these new FOTG codes.

2. The following standard(s) or documents have been deleted from Section IV of the Field Office Technical Guide (FOTG) for the following reasons.
  - a. **346 – Residue and Tillage Management, Ridge Till (October 2014)**  
Reasons: combined into the new (345) Residue and Tillage Management, Reduced Till.
  - b. **344 – Residue Management, Seasonal (October 2014)**  
Reasons: combined into the new (345) Residue and Tillage Management, Reduced Till.
  - c. **568 – Trails and Walkways (October 2014)**  
Reasons: Combined into new (575) Trails and Walkways.

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**d. 633 – Waste Recycling (October 2014)**

Reasons: Name changed from “Waste Utilization” to “Waste Recycling”.

The committee discussed where this practice with new purposes and criteria may apply now that 590 Nutrient Management now includes manure management criteria, and it was determined to not apply to priority resource concerns in Indiana.

The Toolkit domain data will need updated to use these new FOTG codes.

3. The following revised standard(s) have been added to Section IV of the Field Office Technical Guide (FOTG) with the following significant changes.

**a. 591 – Amendments for Treatment of Agricultural Waste (October 2014)**

Significant Changes: Name = changed from “Amendments for Animal Waste Treatment”; Criteria = minor updates.

**b. 326 – Clearing and Snagging (October 2014)**

Significant Changes: Criteria = minor updates.

**c. 330 – Contour Farming (October 2014)**

Significant Changes: Purposes = Updated to include new national reference to resource concerns; Criteria = minor updates.

**d. 342 – Critical Area Planting (October 2014)**

Significant Changes: Purposes = Updated to include new national reference to resource concerns and deleted previous purpose “rehabilitate and revegetate degraded sites that cannot be stabilized through normal establishment techniques”; Criteria = minor updates.

**e. 374 – Farmstead Energy Improvement (October 2014)**

Significant Changes: Criteria = lighting and insulation criteria removed and covered under new standards (670) Lighting System Improvement and (672) Building Envelope Improvement.

**f. 386 – Field Border (October 2014)**

Significant Changes: Purposes = Updated to include new national reference to resource concerns and deleted previous purpose “manage pest populations”; Criteria = minor updates.

**g. 393 – Filter Strip (October 2014)**

Significant Changes: Purposes = Updated to include new national reference to resource concerns; Criteria = minor updates.

- h. 561 – Heavy Use Area Protection (October 2014)**  
Significant Changes: Units = now in square feet instead of acres; Criteria = added setback/buffer distances from environmentally sensitive areas; minimum thickness is 6 inches for livestock (regardless of small vs. large).
- i. 436 – Irrigation Reservoir (October 2014)**  
Significant Changes: Units = only acre-feet (previously = number and acre-feet); Purposes = added “develop renewable energy systems”; Criteria = renewable energy systems criteria added.
- j. 543 – Land Reclamation, Abandoned Mined Land (October 2014)**  
Significant Changes: Criteria = minor updates.
- k. 544 – Land Reclamation, Currently Mined Land (October 2014)**  
Significant Changes: Criteria = minor updates.
- l. 466 – Land Smoothing (October 2014)**  
Significant Changes: Criteria = minor updates.
- m. 484 – Mulching (October 2014)**  
Significant Changes: Purposes = Updated to include new national reference to resource concerns and deleted previous purposes “moderate soil temperature” and “reduce airborne particulates”; Criteria = minor updates.
- n. 566 – Recreation Land Grading and Shaping (October 2014)**  
Significant Changes: Criteria = minor updates.
- o. 329 – Residue and Tillage Management, No Till (October 2014)**  
Significant Changes: Name = changed from “Residue and Tillage Management, No-Till/Strip Till/Direct Seed”; Purposes = Updated to include new national reference to resource concerns; Criteria = minor updates.
- p. 345 – Residue and Tillage Management, Reduced Till (October 2014)**  
Significant Changes: combined previous standards (344) Residue Management, Seasonal and (346) Residue and Tillage Management, Ridge Till into 345; Name = changed from “Residue and Tillage Management, Mulch Till”; Purposes = updated to include new national reference to resource concerns; Criteria = minor updates.
- q. 574 – Spring Development (October 2014)**  
Significant Changes: Criteria = minor updates.

- r. **585 – Stripcropping (October 2014)**  
Significant Changes: Purposes = Updated to include new national reference to resource concerns; Criteria = minor updates.
  - s. **606 – Subsurface Drain (October 2014)**  
Significant Changes: Criteria = minor updates.
  - t. **600 – Terrace (October 2014)**  
Significant Changes: Criteria = clearly defined pressure flow and gravity flow, added tractive stress references.
  - u. **575 – Trails and Walkways (October 2014)**  
Significant Changes: Name = changed from “Animal Trails and Walkways”; Definition, Purposes, Criteria, etc. = incorporated all applicable from the previous (568) Trails and Walkways.
  - v. **620 – Underground Outlet (October 2014)**  
Significant Changes: Criteria = changed the language to make blind inlet designs based on sites that are suitable, and tied their installation to management of the drainage area to limit sedimentation.
  - w. **313 – Waste Storage Facility (October 2014)**  
Significant Changes: Criteria = all references to 633 (Waste Recycling – previously Waste Utilization) now refer to 590 (Nutrient Management); Operations and Maintenance = the original and subsequent capacity must be based on the manure in the original design, unless verified as still meeting the capacity in the manure management plan.
4. The following Tools have been updated/added to Section IV of the Field Office Technical Guide (FOTG) with the following significant changes.
- a. **Indiana Seeding Tool - Seeding Calculator (October 2014)**  
Significant Changes: added specifications for herbaceous floodplain plantings for tree establishment.
  - b. **Indiana Seeding Tool – Cover Crop Seeding Calculator (October 2014)**  
Significant Changes: increases seeding rates for aerial seeding of light species from 25% to 40%; removed perennial ryegrass and crabgrass; added soybean, sunflower, sun hemp, and phacelia with limitations.
5. The following Technical Notes have been added to Section I of the Field Office Technical Guide (FOTG) in the ‘Technical Notes’ folder:
- a. **Agronomy Technical Note: Cover Crop Seeding Methods and Tools (October 2014)** = added increasing seeding rates by at least 40% for light seeded species such as annual ryegrass.

6. The following Guide Sheet has been added to Section I of the Field Office Technical Guide (FOTG) in the 'Resource Guide Sheets' folder:

- a. ***Biology Guide Sheet – Using Cover Crops to Benefit Pollinators (October 2014)*** = New

New and revised standards may be downloaded from the Indiana NRCS FOTG web page: <http://www.nrcs.usda.gov/technical/FOTG/>. Standards are all located in Section IV along with their respective Job Sheets and other information.

If you need more information please contact Shannon Zezula at 317-295-5888.

/s/

JANE E. HARDISTY  
State Conservationist