



December 4, 2017

TECHNICAL GUIDE NOTICE WY - 113

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Purpose: This notice transmits the following changes to technical notes, guidance documents, conservation practice standards, specifications, statements of work, and operation and maintenance in sections I, II, III, and IV eFOTG:

Effective Date: This notice is effective upon receipt.

Explanation of Changes:

Changes to Section I:

Biology Technical Note No. 1 – Wildlife Brush Piles: ECS updated this TN with current criteria (11.20.2017).

NRCS-CPA-52 SEC and RC Help Sheet: ECS updated the broken EPA link and changed references for the ECS-31 and 32 to Implementation Requirements (11.16.2017).

PPS Archive and National Website Addition: As per NB 450-17-09, ECS archived all the cost data and practice payment schedule data on eFOTG and added a link to the National Payment Schedule website (9.6.2017).

WY-CPA-8 – Resource Concern Checklist: ECS archived this form. It had outdated references to resource concerns and was a duplicate to the Resource Concern Checklist by Landuse, more current versions (9.22.2017).

WY-CPA-11 – WLFW Forage Harvest Management job sheet: ECS updated this form to clarify the requirements when implementing this practice (9.22.2017).

WY-CPA-12a – SGI Threats Checklist (EQIP/CTA): ECS updated this form to correct fillable form errors and reposted with the same form date (8.4.2017).

WY-CPA-12b – SGI Threats Checklist (CStwP): ECS updated this form to correct fillable form errors and reposted with the same form date (8.4.2017).

WY-CPA-14 – Conservation Planner Certification: ECS replaced this form with a version that aligns with the current checklist planner's use when developing conservation plans (7.28.2017).

WY-ECS-30 – Forest Management Plan job sheet: ECS updated this form to align with the new CAP 106 Forest Management Plan criteria (11.17.2017).

WY-ECS-31 – Forest Stand Improvement job sheet: ECS archived this form and replaced it with 666 – Forest Stand Improvement Implementation Requirements

(IR). The IR document aligns with the new practice Standard, splits the Specifications for 384 and 666 into separate forms, and incorporates planning and as-built certifications (11.3.2017).

WY-ECS-32 – Woody Residue Treatment job sheet: ECS archived this form and replaced it with 384 – Woody Residue Treatment Implementation Requirements (IR). The IR document splits the Specifications for 384 and 666 into separate forms and incorporates planning and as-built certifications (11.3.2017).

WY-ECS-35 – CRP Forage Inventory and Grazing Plan Worksheet: ECS gave this worksheet a form number and posted to section I (7.18.2017).

WY-ECS-49 – Field Border job sheet: ECS archived this form and replaced it with 386 – Field Border Implementation Requirements (12.1.2017).

WY-ECS-50 – Filter Strip job sheet: ECS archived this form and replaced it with 393 – Filter Strip Implementation Requirements (12.1.2017).

WY-ECS-51 – Herbaceous Wind Barrier job sheet: ECS archived this form and replaced it with 603 – Herbaceous Wind Barrier Implementation Requirements (12.1.2017).

WY-ECS-52 – Vegetative Barrier job sheet: ECS archived this form and replaced it with 601 – Vegetative Barrier Implementation Requirements (12.1.2017).

WY-ECS-72 – Field Border job sheet: ECS archived this older, duplicative form and replaced it with 386 – Field Border Implementation Requirements (12.1.2017).

WY-ECS-82 – Residue and Tillage Management, Mulch Till job sheet: ECS archived this form and replaced it with 345 – Residue and Tillage Management, Reduced Till Implementation Requirements (12.1.2017).

WY-ECS-83 – Residue and Tillage Management, Seasonal (344) job sheet: ECS archived this form. The agency archived this Standard and combined it with 329 – Residue and Tillage Management, No Till and 345 – Residue and Tillage Management, Reduced Till (12.1.2017).

WY-ECS-84 – Residue and Tillage Management, Ridge Till (346) job sheet: ECS archived this form. The agency archived this Standard and combined it with 329 – Residue and Tillage Management, No Till and 345 – Residue and Tillage Management, Reduced Till (12.1.2017).

WY-ECS-85 – Residue and Tillage Management, No-Till/Strip Till/Direct Seed job sheet: ECS archived this form and replaced it with 329 – Residue and Tillage Management, No Till Implementation Requirements (12.1.2017).

WY-ECS-101 – CRP Permanent Introduced Grasses and Legumes job sheet: ECS developed this new form for CRP CP1 practice planning and practice certification (10.20.2017).

WY-ECS-102 – CRP Permanent Native Grasses job sheet: ECS developed this new form for CRP CP2 practice planning and practice certification (10.20.2017).

WY-ECS-103 – CRP Tree Planting job sheet: ECS developed this new form for CRP CP3 practice planning and practice certification (10.20.2017).

WY-ECS-104 – CRP Permanent Wildlife Habitat job sheet: ECS developed this new form for CRP CP4B and CP4D practice planning and practice certification (10.20.2017).

WY-ECS-105 – CRP Windbreak/Shelterbelt/Living Snow Fence job sheet: ECS developed this new form for CRP CP5A, CP16A, and CP17A practice planning and practice certification (10.20.2017).

WY-ECS-108 – CRP Grass Waterway job sheet: ECS developed this new form for CRP CP8A practice planning and practice certification (10.20.2017).

WY-ECS-112 – CRP Wildlife Food Plot job sheet: ECS developed this new form for CRP CP12 practice planning and practice certification (10.20.2017).

WY-ECS-121 – CRP Filter Strips job sheet: ECS developed this new form for CRP CP21 practice planning and practice certification (10.20.2017).

WY-ECS-122 – CRP Riparian Buffer job sheet: ECS developed this new form for CRP CP22 practice planning and practice certification (10.20.2017).

WY-ECS-124 – CRP Cross Wind Trap Strips job sheet: ECS developed this new form for CRP CP24 practice planning and practice certification (10.20.2017).

WY-ECS-125 – CRP Rare and Declining Habitats job sheet: ECS developed this new form for CRP CP25 practice planning and practice certification (10.20.2017).

WY-ECS-129 – CRP Marginal Pastureland Wildlife Habitat job sheet: ECS developed this new form for CRP CP29 practice planning and practice certification (11.3.2017).

WY-ECS-142 – CRP Pollinator Habitat job sheet: ECS developed this new form for CRP CP42 practice planning and practice certification (10.20.2017).

WY-ECS-187 – CRP Permanent Grasses and Legumes Established job sheet: ECS developed this new form for CRP CP87 and CP88 practice planning and practice certification (10.20.2017).

WY-ECS-189 – CRP MCM Grasslands job sheet: ECS developed this new form for CRP Mid-Contract Management practices associated with grasslands for planning and practice certification (10.11.2017).

WY-ECS-190 – CRP MCM Interseeding job sheet: ECS developed this new form for CRP Mid-Contract Management for interseeding planning and practice certification (10.11.2017).

WY-ECS-191 – CRP MCM Managed or Routine Grazing job sheet: ECS developed this new form for CRP Mid-Contract Management for grazing planning and practice certification (10.11.2017).

WY-ECS-192 – CRP MCM Managed or Routine Harvesting job sheet: ECS developed this new form for CRP Mid-Contract Management for haying planning and practice certification (10.11.2017).

WY-ECS-193 – CRP MCM Tree/Shrub Renovation/Thinning/Pruning job sheet: ECS developed this new form for CRP Mid-Contract Management practices for trees and shrubs planning and practice certification (10.11.2017).

WY-ECS-325 – High Tunnel System job sheet: ECS archived this form and replaced it with 325 – High Tunnel System Implementation Requirements (10.23.2017).

WY-ECS-331 – Contour Orchards and Other Perennial Crops job sheet: ECS archived this form and replaced it with 331 – Contour Orchards and Other Perennial Crops Implementation Requirements (12.1.2017).

Changes to Section II:

2-CRP WY Amendments: ECS posted the 2-CRP WY Amendments from 2008 to current in a new subfolder under Handbooks (11.17.2017).

Hydric Soils: As per NB 450-17-08, ECS updated the link to local hydric soils. In addition, ECS posted instructions to locate hydric soils data on Web Soil Survey (9.6.2017).

Prime and Unique Farmlands: ECS posted a link to WSS to locate prime and unique farmlands (8.7.2017).

Changes to Section III:

FY18 CAPs: As per NB 300-18-4, ECS posted the FY18 CAP criteria and templates (11.17.2017).

Resource Concerns Checklist by Land Use: ECS made the following changes:

- Updated the ECS-31 and 32 job sheet references to 666 and 384 Implementation Requirements, respectively, to align with the conversion from ECS job sheets to Implementation Requirements.
- Updated the source information for ESDs.
- Switched the order of the resource concerns for consistency with the new EEPT (Environmental Evaluation Planning Tool). The resource concerns are now in the SWAPA+E order.
- Updated tool for Inadequate Feed and Forage to include the ECS-3 to align with the new EEPT.
- Moved these checklists up one level in Section III to their own folder called “Resource Concerns Checklist by Land Use” (11.3.2017).

Changes to Section IV:

All Standards:

- As per national instructions, write all National CPS in active voice. All standards are now in single column format.

All Statements of Work (SOW):

- New SOW combines old documentation requirements and old SOW when both existed.
- SOW has requirements specifically for TSP/Non-NRCS Engineers and requirements for NRCS employees and is described in the instructions.
- Added new SOW requirements, as specified in the new practice standards.
- Added the following two statements to the design and installation deliverable sections respectively:

Design: Verify with the Field Office conservation planner that all concerns under the National Environmental Policy Act (NEPA) and the National Historic Preservation Act (NHPA) have been adequately addressed.

Installation Deliverable: Verify with the Field Office conservation planner that the location of the staked practice is within the original scope of the practice and complies with the National Environmental Policy Act (NEPA) and the National Historic Preservation Act (NHPA).

Specifications:

- All Specifications are now in single column format.

Implementation Requirements:

- All ECS Job Sheets that are specific for only one Conservation Practice Standard are being converted to Implementation Requirements and are being posted in Section IV with the practice standard, specification, SOW, etc.
- Implementation Requirements have incorporated job approval authority certification, planning details, as-built certification, and client signatures.

Anionic Polyacrylamide (PAM) Application (Code 450) – The revision adds a purpose to the standard to “improve soil surface infiltration rate and minimize soil crusting to allow for uniform plant growth on irrigated land.” There was also criteria for this purpose added to the standard which sets the PAM application rate to not exceed 4 pounds per acre, as well as criteria for mixing and injecting the PAM. **SOW** – updated statement of work. **O&M** – new O&M plan. **Specification** – updated and reformatted specification (11.30.2017).

Building Envelope Improvement (Code 672) – **SOW** – new statement of work. **O&M** – new O&M plan (11.30.2017).

Composting Facility (Code 317) – Revised language as needed to improve readability and clarify intent of criteria. Revised criteria to include facility siting and design language. Added two sections: “Criteria for Mechanically Assisted Composting” and “Power Supply”. **SOW** – updated statement of work. **O&M** – updated O&M plan (11.30.2017).

Constructed Wetland (Code 656) – Revised language as needed to improve readability and clarify intent of criteria. Added additional conditions related to bioreactors and saturated buffers. Added criteria under heading “Additional Criteria Applicable to Constructed Wetlands for Water Quality Improvement” to use design procedure recognized by the regulatory and academic conservation partners, and to select a design hydraulic retention time that will achieve the intended water quality results. Added consideration to address odor concerns near populated areas. **SOW** – updated statement of work. **O&M** – updated O&M plan (11.30.2017).

Contour Orchards and Other Perennial Crops (Code 331) – The agency removed wind erosion as one of the purposes, edited the remaining purposes to align with resource concerns, added criteria, and added minor edits throughout the standard to improve clarity. ECS updated the Standard, Statement of Work, Practice Overview, and Implementation Requirements documents (12.1.2017).

Critical Area Planting (Code 342) – The agency removed “stabilizing areas being degraded by the concentration of salts and other chemicals” as one of the purposes, edited criteria, and added minor edits throughout the standard to improve clarity. ECS updated the Standard, Statement of Work, Practice Overview, and Implementation Requirements documents (12.1.2017).

Drainage Water Management (Code 554) – Edited the entire document for clarity. Removed two purposes: reduce wind erosion or particulate matter (dust) emissions and provide seasonal wildlife habitat. Made significant additions and clarifications to most of the “General Criteria,” particularly instructions under “Control Elevation” and “Control Zone.” Similarly, made changes to sections “Additional Criteria to Reduce Nutrient, Pathogen, and Pesticide Loading” and “Additional Criteria to Improve Productivity, Health, and Vigor of Plants.” Rewrote the “Considerations,” and “Plans and

Specifications” sections. **SOW** – updated statement of work. **O&M** – developed new O&M plan (11.30.2017).

Field Border (Code 386) – The agency clarified the purposes to align with resource concerns, added the purpose “reduce excessive sediment to surface waters”, and added minor edits throughout the standard to improve clarity. ECS updated the Standard, Statement of Work, Practice Overview, and Implementation Requirements documents (12.1.2017).

Filter Strip (Code 393) – The agency clarified the purposes to align with resource concerns and added minor edits throughout the standard to improve clarity. ECS updated the Standard, Statement of Work, Practice Overview, and Implementation Requirements documents (12.1.2017).

Forest Stand Improvement (Code 666) – The agency added new language to the definition, removed two purposes, updated the land uses where the practice is applicable, and updated general and additional criteria. ECS updated the Standard, Statement of Work, Practice Overview, and Implementation Requirements documents (11.3.2017).

Herbaceous Wind Barriers (Code 603) – The agency removed the purpose and criteria to enhance snow deposition, edited criteria, and added minor edits throughout the standard to improve clarity. ECS updated the Standard, Statement of Work, Practice Overview, and Implementation Requirements documents (12.1.2017).

High Tunnel System (Code 325) – ECS converted the 325 job sheet (WY-ECS-325) to an Implementation Requirements document, posted in Section IV with the Standard, and updated the SOW to reflect this change (10.23.2017).

Irrigation Land Leveling (Code 464) – Updated this standard to be more readable and formatted according to current standards. Added a “Design” section to the standard to provide current reference information. Expanded the “Operation and Maintenance” section to include more detailed information to the operator to ensure the practice will last longer. **SOW** – updated statement of work. **O&M** – updated O&M plan. **Specification** – updated and reformatted specification (11.30.2017).

Irrigation System, Surface and Subsurface (Code 443) – Very few substantial changes. Clarifying words and grammatical corrections make up the majority of changes. Added a criteria for “Application Efficiency and Distribution Uniformity,” directing users to the current technical guidance. **SOW** – updated statement of work. **O&M** – updated O&M plan. **Specification** – update specification for gated pipe and poly irrigation tubing, and reformatted specification (11.30.2017).

Lined Waterway or Outlet (Code 468) – Edited the entire document for clarity. Removed the restriction for maximum capacity. Modified criteria for minimum capacity to include provisions for minimal slopes and downstream conveyance capacities.

Replaced specific “n” values and design criteria with references to NRCS National Engineering Handbook. Changes made to considerations. Updated references and citations to the current editions. **SOW** – updated statement of work. **O&M** – updated O&M plan. **Specification** – updated and reformatted specification (11.30.2017).

Residue and Tillage Management, No Till (Code 329) – The agency edited the purposes to align with resource concerns, added the purpose to “reduce excessive sediment in surface waters”, edited criteria, and added minor edits throughout the standard to improve clarity. ECS updated the Standard, Statement of Work, Practice Overview, and Implementation Requirements documents (12.1.2017).

Residue and Tillage Management, Reduced Till (Code 345) – The agency added the purpose to “reduce sheet, rill, and wind erosion and excessive sediment in surface waters”, edited criteria, and added minor edits throughout the standard to improve clarity. ECS updated the Standard, Statement of Work, Practice Overview, and Implementation Requirements documents (12.1.2017).

Vegetative Barrier (Code 601) – The agency removed the purpose to “control concentrated flow erosion” and added minor edits throughout the standard to improve clarity. ECS updated the Standard, Statement of Work, Practice Overview, and Implementation Requirements documents (12.1.2017).

Woody Residue Treatment (Code 384) – As part of the 5-year review process, ECS updated the Standard, Statement of Work, Practice Overview, and Implementation Requirements documents (11.3.2017).

Pen and ink Changes to existing CPSs are as follows:

Building Envelope Improvement (Code 672) – The reference to the American Society of Agricultural and Biological Engineers (ASABE) standard S401.2, “Guidelines for Use of Thermal Insulation in Agricultural Buildings,” has been changed to National Instruction 210-301, “Use of Spray Polyurethane Foam Insulation and Vapor Retarders for Building Envelope Improvement.” The requirements in this instruction supersede ASABE S401.2 where referenced in CPS 672 with respect to spray polyurethane foam regarding fire safety, and vapor retarders requirements for all insulating materials (11.30.2017).

Saturated Buffer (Code 604) – First Pen and Ink Change - The pen and ink changes clarify the distinction between drainage system capacity and saturated buffer capacity. They also clarify options available for determining drainage system capacity. The changes also modified criteria for minimum saturated buffer design capacity from 15 percent of drainage system capacity to 5 percent of drainage system capacity. Based on DRAINMOD simulations using historical weather data, and typical local soils and drainage systems in Minnesota, Iowa, and Illinois; it was determined that a 5-percent value would be more appropriate as a minimum saturated buffer flow

criteria. The remainder of the edits were editorial in nature intended to clarify and simplify the standard. **Second Pend and Ink Change** - To expand the range of applicability of the standard to greater number of field sites, the current 5-percent flow capacity criteria for the saturated buffer is maintained, but designers are now allowed to use an alternate length of the distribution pipe if the 5-percent criteria is found impractical or cost-prohibitive. The required geological investigation for slope stability is also maintained, but designers are allowed an alternate analysis of slope stability based on professional, onsite observations (11.30.2017).

Filing Instructions: These additions and revisions are electronically filed in the Wyoming eFOTG at this site:

http://efotg.sc.egov.usda.gov/efotg_locator.aspx?map=US



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