



VIA ELECTRONIC MAIL

TECHNICAL GUIDE NOTICE NO. 684

OCTOBER 31, 2014

Re: Transmit new Wetlands References, revised Agronomy and Cultural Resources Technical Notes, revised Section III Planning Criteria, and new and revised Standards, Specifications, Statements of Work, and Operation and Maintenance Plans

This Technical Guide Notice transmits the following materials to the Colorado electronic Field Office Technical Guide ([eFOTG](#)).

Section I, Reference Lists, 17. Wetland

[Colorado 2014 Wetland Plant List](#) – New content. Developed from the 2014 National Wetland Plant List (NWPL); an effort led by USACE in collaboration with USFWS, the USEPA and the NRCS. The four agencies signed an Interagency Agreement requiring use of the list by agency staff for wetland delineation purposes as required by the Clean Water Act and the Wetland Conservation Provisions of the Food Security Act.

[Field Indicators of Hydric Soils, v7](#) – New Content. Field Indicators of Hydric Soils in the United States A Guide for Identifying and Delineating Hydric Soils, Version 7.0, 2010. Developed by NRCS In cooperation with the National Technical Committee for Hydric Soils.

Section I, Technical Notes, Agronomy

[Agronomy Technical Note 82, Estimating Residue Cover with the Line Transect Method](#) – Re-issue in electronic format with updated reference and example Residue Measurement Worksheet

Section I, Technical Notes, Cultural Resources

[Cultural Resources Management Note 1, Ground Disturbing Potential for Conservation Practices](#) - Updated practice list, supplements Colorado Cultural Resources Management Note 2 – File in the local FO copy of the Colorado Cultural Resources Handbook under #6

Section III, Resource Planning Criteria

[National and State Resource Concerns and Planning Criteria](#) – Revised Assessment Level for Soil Erosion, Pasture, and revised Screening Levels for Degraded Plant Condition, Undesirable plant productivity, health and vigor and Wildfire hazard, excessive biomass accumulation

[Resource Assessment Worksheet](#) – New, optional planning worksheet

Section IV, Standards and Specifications

The following Standards, Construction Specifications, Operation and Maintenance Plans, and Statements of Work are revised or new per NHCP Notices.

Amendments for Treatment of Agricultural Waste (591) – Revised to reduce risk of spreading pathogens and compliance with the Nutrient Management standard

[591 Standard](#), [591 Statement of Work](#)

Anionic Polyacrylamide (PAM) Application (450) – Revised to include propose and criteria for “Reduced Energy Use”.

[450 Standard](#), [450 Statement of Work](#)

[Critical Area Planting \(342\) Standard](#) – Updated CO-ECS-05 seeding worksheet reference

Drainage Water Management (554) – Revised for more emphasis for water table management at timeframes linked to crop planting and harvest.

[554 Standard](#), [554 Statement of Work](#)

Dry Hydrant (432) – Revised to clarify criteria, added items to Plans and Specifications, and references were added.

[432 Standard](#), [432 Statement of Work](#)

[Filter Strip \(393\) Standard](#) - Updated CO-ECS-05 seeding worksheet reference

[Forage and Biomass Planting \(512\) Standard](#) - Updated CO-ECS-05 seeding worksheet reference

Land Smoothing (466) – Revised definition, added cultural resources inventory and assessment to Considerations, and references were added.

[466 Standard](#), [466 Construction Specification](#), [466 O&M Plan](#)

[Nutrient Management \(590\) Statement of Work](#) – Revised for consistency with NHCP Template

Pond Sealing or Lining, Flexible Membrane (521A) – Revised material requirement to conform with industry standards such as ASTM or other standards.

[521A Standard](#)

Recreation Land Grading or Shaping (566) – Revised wording changes and references added.

[566 Standard](#), [566 Construction Specification](#)

Spring Development (574) – Revised to no longer include “other agriculture uses” in Definition and Purpose section.

[574 Standard](#)

Sprinkler System (442) – Name change from Irrigation System, Sprinkler to include criteria and purposes other than for irrigation such as dust control.

[442 Standard](#), [442 Construction Specification](#), [442 O&M Plan](#), [442 Statement of Work](#), [442 Practice Documentation Checklist](#), [442 Design Summary Worksheet](#)

Subsurface Drain (606) – Practice Standard sections were revised and/or expanded.

[606 Standard](#), [606 Statement of Work](#)

Surface Drain, Field Ditch (607) – Name change from Surface Drainage, Field Ditch. Criteria was added, Considerations was expanded, and references were added.

[607 Standard](#), [607 Construction Specification](#), [607 O&M Plan](#), [607 Statement of Work](#)

Surface Drain, Main or Lateral (608) – Name change from Surface Drainage, Main or Lateral. Text was streamlined and references were added.

[608 Standard](#), [608 Construction Specification](#), [608 O&M Plan](#), [608 Statement of Work](#)

Underground Outlet (620) – Revised criteria and Considerations.

[620 Standard](#), [620 Construction Specification](#), [620 O&M Plan](#)

Vertical Drain (630) – Revised to place additional emphasis on water quality protection.

[630 Standard](#), [630 Statement of Work](#)

Waste Facility Closure (360) – Name change from Closure of Waste Impoundments.

Expanded to include contaminated soil in decommissioning of dry waste facilities

[360 Standard](#), [360 Construction Specification](#), [360 O&M Plan](#), [360 Statement of Work](#)

Waste Recycling (633) – Name change from Waste Utilization. New purpose and criteria to “Reduce Energy Use” and more focused on processing agricultural waste into by-products.

[633 Standard](#), [633 O&M Plan](#), [633 Statement of Work](#)

Waste Separation Facility (632) – Name change from Solid/Liquid Separation Facility.

Additional separation methods and criteria was developed for sand separation and reuse.

[632 Standard](#), [632 Statement of Work](#)

Waste Treatment (629) – Condition where Practice Applies was revised and subsection on utilities was added.

[629 Standard](#)

This Technical Guide Notice cancels the following documents and removes them from the Colorado FOTG.

Section I, Technical Notes, Cultural Resources

Cultural Resources Management Note 1, Ground Disturbing Potential for Conservation Practices (7/11)

Section III, Resource Planning Criteria

National and State Resource Concerns and Planning Criteria (5/14)

Resource Inventory Assessment Worksheet (9/13)

Section IV, Standards and Specifications

Amendments for Treatment of Agricultural Waste (591) – Standard and Statement of Work (3/07)

Anionic Polyacrylamide (PAM) Application (450) –Standard and Statement of Work (11/10)

Closure of Waste Impoundments (360) – Standard (5/05), Construction Specification (3/02), O&M Plan (5/05), Statement of Work (9/04)

Critical Area Planting (342) Standard (3/14)

Drainage Water Management (554) – Standard (8/02), Statement of Work (9/04)

Dry Hydrant (432) - Standard (3/02), Statement of Work (9/04)

Filter Strip (393) Standard (3/14)

Forage and Biomass Planting (512) Standard (9/10)

Irrigation System, Sprinkler (442) – Standard, O&M Plan, and Statement of Work (11/11), Construction Specification (8/04), Practice Documentation Checklist (3/09), Design Summary Worksheet (8/02)

Land Smoothing (466) – Standard and Construction Specification (5/03), O&M Plan (5/05)

Nutrient Management (590) Statement of Work (10/08)

Pond Sealing or Lining, Flexible Membrane (5212A) – Standard (3/07)

Recreation Land Grading or Shaping (566) – Standard and Construction Specification (8/02)

Solid/Liquid Separation Facility (632) – Standard and Statement of Work (3/07)

Spring Development (574) – Standard (3/07)

Subsurface Drain (606) – Standard (8/04), Statement of Work (9/04)

Surface Drainage, Field Ditch (607) – Standard and Construction Specification (8/04), O&M Plan (5/05), Statement of Work (9/04)

Surface Drainage, Main or Lateral (608) – Standard and Construction Specification (5/03), O&M Plan (5/05), Statement of Work (9/04)

Underground Outlet (620) – Standard, Construction Specification, and O&M Plan (11/10)

Vertical Drain (630) – Standard (8/02), Statement of Work (9/04)

Waste Treatment (629) – Standard (3/07)

Waste Utilization (633) – Standard (8/04), O&M Plan (5/05), Statement of Work (9/04)

Water Spreading (640) – Standard (3/03), O&M Plan (5/05), Statement of Work (9/04)

Archiving Standards

Conservation practice standards in effect at the time the client makes a decision regarding a course of action (step 7 of the Conservation Planning Process) may be used for practice implementation unless public health, safety or welfare is adversely affected. A copy of all superseded standards shall be retained in NRCS field office files or other locations as approved by the State Conservationist, until such standards are no longer relevant to any active conservation plan or contract, or for 10 years, whichever is longer. Where formal contracts (e.g., long-term agreements) are involved, copies of outdated standards are to be retained for the period required by the pertinent NRCS policy governing that specific program.

These archived standards need to be removed from the FOTG and retained in a separate file (GM-450, Part 401, Subpart B, 401.18). An archive of canceled Colorado Standards is maintained in the Ecological Sciences Section at the State office in Denver.

Printing and Filing Instructions

District Conservationists are not required to maintain a hard copy of the eFOTG in their respective field offices. One copy of the Colorado eFOTG is maintained at the National

Information Technology Center (NITC) Web Farm at
http://efotg.sc.egov.usda.gov/efotg_locator.aspx.

Contact Information

Contact Chanda Pettie, State Biologist, at 720-544-2804 or chanda.pettie@co.usda.gov, for information regarding the biology content of this notice.

Contact Jim Sharkoff, State Conservation Agronomist, at 720-544-2812 or jim.sharkoff@co.usda.gov for information regarding the agronomy content of this notice.

Contact Dave Wolff, Agricultural Engineer, at 720-544-2836 or dave.wolff@co.usda.gov, for information regarding the Engineering documents.

This notice is filed in the Section I, Transmittals folder of the Colorado eFOTG. A [Section I Transmittals Index](#) is available in PDF format to comply with Section 508 of the Rehabilitation Act of 1998.

This is the only copy of this notice you will receive from the State office.

/s/

ELISE BOEKE
Acting State Conservationist

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