



**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

INTRODUCTION

Purpose: To provide abbreviated conservation practice documentation requirements for commonly applied conservation practice standards (CPS) located in Section IV of Tennessee's FOTG. This guidance supplements the requirements in the Statements of Work (SOW) as authorized by national policy, General Manual, Title 450 - Technology, Part 407 - Documentation, Certification, and Spot Checking, specifically Subpart A - Policy, Section 407.10. The target audience for this guidance is NRCS employees holding appropriate approval authorities as described in GM409 and NEM501, and applicable Tennessee supplements. Partner employees, who work under direct technical supervision of NRCS and where appropriate agreements with their employers are in place, will also use this abbreviated guidance. Where guidance is not provided for a specific conservation practice, then the SOW for that practice is the guiding document.

Supporting data include those features of a practice that can be measured, surveyed, tested, or observed as required by national policy GM450, Subpart B - Documentation and Certification, 407.10(B) and associated Tennessee supplement. The completed work is to be checked against the plans and specifications or other requirements to ensure a satisfactory job. Check out notes or other documented observations of the completed practice become a part of the supporting data along with previous planning, layout, or documenting records.

For engineering practices, the documentation procedure consists of three elements. These three elements require that a person obtain and hold engineering job approval authority (EJAA) in accordance with the National Engineering Manual (NEM), Part 501 – Authorizations, Subpart A – Review and Approval, and supplemental Tennessee policy, TN501. These three elements are:

1. **Preliminary Investigation or Inventory and Evaluate (I&E)** consists of determining the feasibility of the practice in regards to the purpose and applicability of the conservation practice to the site conditions, topography, soils, cost, etc. During the preliminary investigation, sufficient data must be gathered and analyzed to determine whether to proceed with the practice. This includes obtaining surveys with applicable topographic information to determine or evaluate practice(s) location where applicable. I&E is performed and documented in conservation assistance notes, ENG-523a, and/or ENG-28 and 29 by person holding appropriate EJAA with signature and date.
2. **Design** consists of using all data gathered along with the criteria in the conservation practice standard to determine the size, extent, quantity, etc., needed to meet the purpose(s) of the conservation practice. Conservation practices must meet the minimum design criteria as contained in the applicable conservation practice standard. Sufficient data must be obtained to document all aspects of the engineering design. Plans and specifications will be developed in sufficient detail for the landowner or contractor to understand the practice requirements and properly install the practice. Plans for design and construction specifications are approved by person holding appropriate EJAA with signature and date.
3. **Construction** consists of layout and checkout. It includes providing the landowner or contractor with sufficient field stakes so that the practice can be installed as designed. Construction checkout consists of gathering sufficient field data to verify if the practice has been installed according to the plans and specifications and to determine the extent of the practice. Construction of the practice is recorded in conservation assistance notes, ENG-523a, and/or SCS-ENG-28 and 29 and approved by person holding appropriate EJAA with signature and date.

If the practice meets NRCS standards and specifications, then the person holding appropriate EJAA and/or Conservation Planner Certification will certify in writing on the checkout document that **"This (name the practice) meets NRCS practice standards and specifications"** and place signature and date below this statement. The practice is then reported after certification.

For all non-engineering practices, refer to the land use category below for general requirements followed by the specific documentation requirements. Certification as a conservation planner is required as described in GM409.



**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

TN-MGT-10

Applicable to ALL CPSs

File all documentation in the case file or refer to it in the plan narrative and/or assistance notes or state that it is contained in the electronic folder of Customer Service Toolkit.

Practice	Planning & Design Documentation	Certification Documentation
All Practices	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> NRCS CPA 52 with resource concerns identified, Toolkit plan map with location of planned practices, soils map and descriptions, USGS 7.5 minute topo map, rates or units and dates, Operation and Maintenance (O & M) narrative for practices planned, and copies of materials provided to the land user such as implementation requirements (IRs), specification sheets, worksheets, etc. <input type="checkbox"/> Response sheet or email from biologist and cultural resources review and a copy of the Archeology Specialist's review <input type="checkbox"/> Copies of required permits obtained (ACOE, TVA, TDEC-WPC) before beginning construction <input type="checkbox"/> Use ArcGIS to Map Practices to be planned and applied, and report in IDEA <input type="checkbox"/> Applicable Conservation Activity Plans (CAP) completed; criteria for applicable year. (See Tennessee eFOTG, Section III, Conservation Activity Technical Criteria and applicable year.) <input type="checkbox"/> General and individual practice documentation requirements as identified below 	<p>Installation/Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Date(s) of installation <input type="checkbox"/> Location of completed practices (GPS lat./long) on job plans, field notes, aerial photographs, special forms, or on the conservation plan map as required by GM450, Subpart B – Supporting Data, 407.1 (C) <input type="checkbox"/> Photo documentation (recommended before and after installation) <input type="checkbox"/> ArcGIS for linear & point practices (optional) <input type="checkbox"/> Application of Specific practice requirements <input type="checkbox"/> Record of approved variances by technical specialists <input type="checkbox"/> Follow requirements in state developed Implementation Requirement (IRs; job sheets) <input type="checkbox"/> Statement with signature and date that practice meets standard and specifications in CONS-6 notes, ENG-523a, and/or ENG-28 and 29 <input type="checkbox"/> If CAP, checklist completed and administratively approved. (See TN eFOTG, Section III, Conservation Activity Plans Checklist and applicable year)

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Applicable to ALL CPSs

Practice	Planning & Design Documentation	Certification Documentation
Structural Practices	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Inventory and evaluation records Notes in conservation assistance notes or special report <input type="checkbox"/> Engineering job class determined <u>before</u> engineering assistance is provided and documented in the assistance notes (See EJAA chart for classes), NEM TN501.4B(2)(b) <input type="checkbox"/> Topographic or other survey. Survey notes, where applicable on ENG-28 and 29 or other appropriate form <input type="checkbox"/> Photos indicating resource concern where applicable <input type="checkbox"/> Location of UTILITIES and record of conversation with landowner about their responsibility (See 120-NEM, Part 503, Subpart A – Engineering Activities Affecting Utilities) and any associated Tennessee supplemental requirements. <input type="checkbox"/> Inclusion, review of "<i>Landowner's Guide to Constructing Conservation Practices</i>" <input type="checkbox"/> Indication of appropriate EJAA for person performing I&E (TN501.4B(2)) <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Narrative or Design Report, where applicable <input type="checkbox"/> Physical data, functional requirements and site constraints, where applicable <input type="checkbox"/> Soils/subsurface investigation report, where applicable and as indicated in individual practice documentation <input type="checkbox"/> Design (approved forms, design tools, implementation requirements) and quantity calculations w/ designer signature and date by person with EJAA <input type="checkbox"/> Plans & Specifications where applicable with: <ul style="list-style-type: none"> <input type="checkbox"/> Location of practice shown on location map in plans (GPS location) <input type="checkbox"/> Designer and checker with approval signature and date <input type="checkbox"/> Location of utilities and notification requirements <input type="checkbox"/> Seeding, liming, fertilizing, and mulching requirements <input type="checkbox"/> Construction Specifications <input type="checkbox"/> Record of pre-construction conference where applicable <input type="checkbox"/> Cost Estimate and Quantities and preparer signature and date <input type="checkbox"/> Planned measures to minimize pollution caused by storm water where applicable <input type="checkbox"/> O&M Plan as indicated in specific practice documentation 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> GPS location (lat., long) <input type="checkbox"/> Record of checkout in CONS-6 notes, ENG-523a, ENG-28 and 29, or separate inspection records, written statement of approval (see pg. 1 of this document), signature, and date by person holding EJAA <input type="checkbox"/> Record of any design variances approved by and date, where applicable <input type="checkbox"/> Record of approvals of in-field changes affecting function and/or job class, where applicable <input type="checkbox"/> Final quantities used for payment <input type="checkbox"/> Adequacy of seeding, liming, fertilizing, and mulching <input type="checkbox"/> As-built drawings indicating any changes by person with EJAA <input type="checkbox"/> Measures taken to minimize pollution caused by storm water or as required by storm water permit <input type="checkbox"/> As-built red lined on original or standardized plans on Class III and higher structures with photo documentation during installation (pipe, connectors, sand diaphragm, geotextile, below ground concrete pours, forms, etc.) by person with applicable EJAA <input type="checkbox"/> Photos (preferable of installation of buried components)



**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Applicable to ALL CPSs

	Planning & Design Documentation (Consider all that are applicable)	Certification Documentation
Crop (includes cultivated and non-cultivated)	<input type="checkbox"/> Conservation Crop Rotation <input type="checkbox"/> Residue and Tillage Management <input type="checkbox"/> Nutrient Management Plan <input type="checkbox"/> Pest Management Plan <input type="checkbox"/> Irrigation Water Management Plan (where applicable) <input type="checkbox"/> Before and after soil loss when used as a planning tool (RUSLE2) <input type="checkbox"/> Soil Conditioning Index and STIR Index (RUSLE2) <input type="checkbox"/> Tool: Graze Program if hay is used on the farm to balance forage <input type="checkbox"/> Forage Harvest Management	<input type="checkbox"/> Statement in the CONS-6 notes the practice meets NRCS practice standard <input type="checkbox"/> See specific practice requirements
Pasture	<input type="checkbox"/> Prescribed Grazing Plan and Forage Balance <input type="checkbox"/> Watering Facility, Pond, or Stream Accessibility <input type="checkbox"/> Nutrient Management Plan <input type="checkbox"/> Pest Management Plan <input type="checkbox"/> Tool: Graze Program, Estimated Paddock Size	<input type="checkbox"/> Statement in the CONS-6 notes the practice meets NRCS practice standard <input type="checkbox"/> See specific practice requirements
Forest	<input type="checkbox"/> Woodland Inventory Transect is required for primary use of timber production. Wildlife habitat management plans are required for primary use of wildlife plans. For reforestation, the following practices are recommended to be part of the plan if applicable: <ul style="list-style-type: none"> ○ Access Control (472) ○ Critical Area Planting (342) ○ Firebreak (394) ○ Forest Trails and Landings (655) ○ Tree and Shrub Establishment (612) ○ Tree and Shrub Site Preparation (490) 	<input type="checkbox"/> Statement in the CONS-6 notes the practice meets NRCS practice standard <input type="checkbox"/> See specific practice requirements
Associated Ag Land	<input type="checkbox"/> Includes wetlands, streams, riparian areas, ditches, field edges, idle center pivot corners	<input type="checkbox"/> Statement in the CONS-6 notes the practice meets NRCS practice standard <input type="checkbox"/> See specific practice requirements
Farmsteads	<input type="checkbox"/> Includes land dedicated to the production of high intensity animal agriculture in a containment facility where daily nutritional requirements are obtained from other lands or feed sources <ul style="list-style-type: none"> ○ Nutrient Management Plan ○ Pest Management Plan 	<input type="checkbox"/> Statement in the CONS-6 notes the practice meets NRCS practice standard <input type="checkbox"/> See specific practice requirements
Other Rural Land	<input type="checkbox"/> Barren, sandy or rocky land; mined land	<input type="checkbox"/> Statement in the CONS-6 notes the practice meets NRCS practice standard <input type="checkbox"/> See specific practice requirements

MODIFIERS

Because it is impractical to include all specific land uses in NRCS' service area, land use designations will be supplemented with "modifiers." Modifiers provide another level of specificity and in some instances help denote how the land is actually managed. There are three modifiers:

1. **Wildlife** – applied when the client is actively managing for wildlife and this management is reflected in the conservation plan through the application of practices that are beneficial to wildlife. Requires completed Wildlife Habitat Appraisal Guide (WHAG) or biologist-written habitat management plan.
2. **Grazed** – applied when grazing animals impact how land is managed and influence the conservation plan.
3. **Irrigated** – applied when an operational system is present and managed to supply water.

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Access Control (472), ac.	<input type="checkbox"/> Identify the purpose for the exclusion (what is excluded and protected) <input type="checkbox"/> Identify type of barrier to be used <input type="checkbox"/> Timing, method, and duration of exclusion, if not permanent <input type="checkbox"/> Include drawings /standardized drawings, if applicable for barrier <input type="checkbox"/> Operations and Maintenance requirements	<input type="checkbox"/> Extent of the practice units applied (ac.) <input type="checkbox"/> As built drawings of barrier, if permanent <input type="checkbox"/> Actual extent of barriers applied
Access Road (560), ft.	Planning <input type="checkbox"/> Site suitability <input type="checkbox"/> Underground outlets needed <input type="checkbox"/> Type of surface treatment needed Design <input type="checkbox"/> Plans and specifications indicating: <ul style="list-style-type: none"> <input type="checkbox"/> Location of practice on plans <input type="checkbox"/> Grade, width and length of road <input type="checkbox"/> Type and thickness of surface treatment including any sub-base preparation <input type="checkbox"/> Cut and fill slopes where applicable <input type="checkbox"/> Drainage areas and structure requirements where applicable <input type="checkbox"/> O&M Plan	Construction <input type="checkbox"/> Length (GPS acceptable or measured) <input type="checkbox"/> Surface treatment type, thickness <input type="checkbox"/> Elevation checks of all structures and components installed where applicable <input type="checkbox"/> As-built on plans where applicable <input type="checkbox"/> Photo Log (preferable before, during installation, and after)
Agricultural Energy Management Plan (122 and 124), no.	Planning <input type="checkbox"/> AEMP plan meeting criteria of CAP 122 AgEMP or CAP 124 AgEMP	<input type="checkbox"/> Certified AEMP plan meeting criteria of CAP 122 AgEMP or CAP 124 AgEMP <input type="checkbox"/> Completion and administrative approval of CAP 122 AgEMP or CAP 124 AgEMP checklist
Animal Mortality Facility (316), no.	Planning <input type="checkbox"/> Type of facility needed <input type="checkbox"/> CNMP (current) Design <input type="checkbox"/> Design Package from Engineering Staff	Construction <input type="checkbox"/> As built drawings approved by person holding EJAA <input type="checkbox"/> Photo Log (preferable of installation, spacing, connectors, etc.)
Animal Trails and Walkways (575), ft.	Planning <input type="checkbox"/> Site suitability <input type="checkbox"/> Water control structures needed <input type="checkbox"/> Type of surface treatment needed Design <input type="checkbox"/> Plans and specifications <ul style="list-style-type: none"> <input type="checkbox"/> Location on plans <input type="checkbox"/> Design width and length <input type="checkbox"/> Type, location and dimensions of fence where required <input type="checkbox"/> Grade or percent of slope <input type="checkbox"/> Type and thickness of surface and base course treatment <input type="checkbox"/> Cut and fill slopes where applicable <input type="checkbox"/> Drainage and structure requirements where applicable <input type="checkbox"/> O&M Plan	Construction <input type="checkbox"/> Profile elevation where applicable <input type="checkbox"/> Measured width and length <input type="checkbox"/> Surface treatment type, thickness <input type="checkbox"/> Elevation checks of all structures and components installed where applicable <input type="checkbox"/> Photo Log (before/after)

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Brush Management (314), ac.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Identify target weed species and cover density <input type="checkbox"/> Planned Treatment (mechanical, biological, chemical, or combination) <ul style="list-style-type: none"> <input type="checkbox"/> Management method or pesticide name <input type="checkbox"/> Rates, product, and form <input type="checkbox"/> Timing of application <input type="checkbox"/> Method of application <input type="checkbox"/> Evaluate environmental impact of the pesticide management using Windows Pesticide Screening Tool (WIN-PST) soil-pesticide interaction report if applicable <input type="checkbox"/> Locate and plan for setbacks for water bodies, streams, wetlands, sinkholes, and sensitive areas 	<ul style="list-style-type: none"> <input type="checkbox"/> Degree of control of target pest
Channel Stabilization (584), ft.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Determine the complexity of the problem and type of treatment needed to protect the channel and extent of survey needed <input type="checkbox"/> Conduct planning surveys and develop an engineering plan map for at least the area affected by the practice <input type="checkbox"/> Set and describe permanent bench marks and profile and section 100' intervals, or closer if needed <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Design Package from Engineering Staff 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Photo Log (before/after, during excavation) <input type="checkbox"/> Determine the total length of stream channel protected using a , calibrated measuring wheel, GPS, or other equivalent method <input type="checkbox"/> Profile channel <input type="checkbox"/> As-built drawings showing final construction dimensions, details, etc.
CNMP (102), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Inventory and evaluation records TN-CPA-CNMP or equivalent <input type="checkbox"/> See CNMP Statement of Work (SOW) 	<ul style="list-style-type: none"> <input type="checkbox"/> Certified CNMP completed according to criteria for 102 CAP in FOTG <input type="checkbox"/> Completion and administrative approval of CNMP CAP 102 Checklist
Composting Facility (317), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> CNMP <input type="checkbox"/> Topographical survey w/ permanent benchmark may be needed <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Design Package from Engineering Staff 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> As-built drawings approved by person holding EJAA
Conservation Cover (327), no.	<ul style="list-style-type: none"> <input type="checkbox"/> Planting rates, dates, and plant species to be established <input type="checkbox"/> Establishment procedures (e.g. site preparations and planning method) <input type="checkbox"/> O&M Plan 	<ul style="list-style-type: none"> <input type="checkbox"/> Description of the vegetation at the time of checkout (e.g. percentage of desirable species, height, and condition) <input type="checkbox"/> Photo (preferable before/after)
Conservation Crop Rotation (328), ac.	<ul style="list-style-type: none"> <input type="checkbox"/> Purpose(s) of the crop rotation <input type="checkbox"/> Sequence of crops to be grown and total length of rotation <input type="checkbox"/> Planting rates, dates, and plant species to be established <input type="checkbox"/> Length of time each crop/crop type will be grown in the rotation <input type="checkbox"/> Before and after soil loss calculations (RUSLE2) 	<ul style="list-style-type: none"> <input type="checkbox"/> Each management unit must have gone through the rotation before practice can be certified.

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Contour Buffer Strips (332), ac.	<input type="checkbox"/> Completion of Contour Buffer IR (job sheet) <input type="checkbox"/> Before and after soil loss calculations (RUSLE2) <input type="checkbox"/> O&M Plan	<input type="checkbox"/> Description of the vegetation at the time of checkout (e.g. percentage of desirable species, height, and condition) <input type="checkbox"/> GPS checkout of strips for inclusion in Toolkit GIS <input type="checkbox"/> One to two (1-2) width measurements per strip <input type="checkbox"/> Photo (preferable before/after)
Contour Farming (330), ac.	<input type="checkbox"/> Percent land slope used for conservation planning <input type="checkbox"/> Minimum and maximum allowable row grades <input type="checkbox"/> Before and after soil loss calculations (RUSLE2) <input type="checkbox"/> Sketch map of photograph showing location of the baselines used to establish the system and location of stable outlets <input type="checkbox"/> O&M Plan	<input type="checkbox"/> GPS key lines for future reference – transfer GPS points to Toolkit <input type="checkbox"/> Photo (preferable before/after)
Cover Crop (340), ac.	<input type="checkbox"/> Planting rates, dates, and plant species to be established <input type="checkbox"/> Establishment procedure (site and seedbed preparation, planting method) <input type="checkbox"/> Species selection and seeding rates <input type="checkbox"/> Dates and method to terminate cover crop <input type="checkbox"/> Before and after soil loss calculations (RUSLE2)	<input type="checkbox"/> Description of the vegetation at the time of checkout (e.g. percentage of desirable species, height, and condition) <input type="checkbox"/> Photo (preferable before/after)
Critical Area Planting (342), ac.	<input type="checkbox"/> Planting rates, dates, and plant species to be established <input type="checkbox"/> Species or mixtures seeded <input type="checkbox"/> Type of seedbed <input type="checkbox"/> Type and amount of mulch, fertilizer and lime <input type="checkbox"/> Description of and amount of earthwork needed	<input type="checkbox"/> Adequacy of seedbed <input type="checkbox"/> Adequacy of seeding and mulching <input type="checkbox"/> Note problem areas or potential problem areas <input type="checkbox"/> Description of the vegetation at the time of checkout (e.g. percentage of desirable species, height, and condition)
Dike (356), ft.	<p>Planning</p> <input type="checkbox"/> Determine that an adequate outlet is available, or can be made available <input type="checkbox"/> Surveys w/ permanent benchmark <p>Design</p> <input type="checkbox"/> Narrative or Design Report, including documentation of planning decisions <input type="checkbox"/> Determine class of dike <input type="checkbox"/> Determine earthfill quantities <input type="checkbox"/> Obtain sufficient soils/geologic investigations <input type="checkbox"/> Plans and specifications <ul style="list-style-type: none"> <input type="checkbox"/> Location of dike <input type="checkbox"/> Profile of top of proposed dike and natural ground along centerline of proposed dike <input type="checkbox"/> Typical cross sections <input type="checkbox"/> Borrow source <input type="checkbox"/> O&M Plan	<p>Construction</p> <input type="checkbox"/> Profile of the dike at a maximum of 500 feet spacing <input type="checkbox"/> Total length of the dike using a calibrated measuring wheel, GPS, or other equivalent method <input type="checkbox"/> Record and plot at least one cross section of the dike and excavated channel that represents the section which is least likely to meet standards and specs <input type="checkbox"/> Photo (preferable before/after)

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Diversion (362), ft.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Determination that an adequate outlet is available, or can be made available <input type="checkbox"/> Surveys referenced to permanent benchmark with profile shots every 100 feet <input type="checkbox"/> Type of diversion and functional lifespan for design (temporary, etc.) <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Narrative or Design Report, including documentation of planning decisions <input type="checkbox"/> Record Design data on form TN-ENG-362, (Diversion Design Data Sheet) or equivalent. Follow the Design procedure in Chapter 9 of the Engineering Field Handbook (EFH), Part 650, or use an approved computer program <input type="checkbox"/> Plans and specifications <ul style="list-style-type: none"> <input type="checkbox"/> Location sketch <input type="checkbox"/> Typical cross sections w/ dimensions <input type="checkbox"/> Channel grade <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Profile shots of the diversion channel and ridge with readings taken at 100 feet spacing <input type="checkbox"/> Total length of the diversion by using a calibrated measuring wheel, GPS, or other equivalent calibrated method <input type="checkbox"/> Cross section shots of the channel and ridge that represents flow area and the section that is least likely to meet standards and specs <input type="checkbox"/> Statement of adequacy of outlet <input type="checkbox"/> Grade computed and recorded <input type="checkbox"/> Photo (preferable view on top of diversion, looking into flow)
Early Successional Habitat Dev/Mgmt. (647), ac.	<ul style="list-style-type: none"> <input type="checkbox"/> Planting rates, dates and plant species to be established, when applicable <input type="checkbox"/> Completed Wildlife Habitat Appraisal Guide (WHAG) or biologist-written wildlife habitat plan <input type="checkbox"/> Targeted wildlife species or guild 	<ul style="list-style-type: none"> <input type="checkbox"/> Photos and documentation that management was performed properly and in the proper time periods <input type="checkbox"/> Seed tags recommended for plantings
Farmstead Energy Improvement (374), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Certified Agricultural Energy Management 122 CAP <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Design application measures from AgEMP 122 <input type="checkbox"/> O&M plan 	<ul style="list-style-type: none"> <input type="checkbox"/> Complete a planned implementation schedule in accordance with CAP plan <input type="checkbox"/> Quantities of materials installed <input type="checkbox"/> Photos (before/after) <input type="checkbox"/> Manufacturer's Documentation
Fence (382), ft.	<ul style="list-style-type: none"> <input type="checkbox"/> Purpose of fence <input type="checkbox"/> Location and planned length of fence on plan map <input type="checkbox"/> Type of fence (i.e. high tensile, barbwire, etc.) <input type="checkbox"/> O&M Plan 	<ul style="list-style-type: none"> <input type="checkbox"/> Field number and length (feet) of fence <input type="checkbox"/> Number of strands, height, spacing of wires, charge for power fences <input type="checkbox"/> Wire type, size (gauge), coating, strength (psi), and tension <input type="checkbox"/> Line post material, size in inches, shape, length, coating <input type="checkbox"/> Line post spacing and buried depth in inches <input type="checkbox"/> Type of insulators for power fence <input type="checkbox"/> Photos to document critical fencing components including brace and line posts, wire, and any site specific adaptations to fencing <input type="checkbox"/> Vertical post size in inches, length, buried depth, coating <input type="checkbox"/> Horizontal brace size in inches, length in feet <input type="checkbox"/> Diagonal brace material, size in inches and length in feet <input type="checkbox"/> Power fence only: Energizer output (volts), capacity <input type="checkbox"/> Power fence only: Grounding rod material, number of rods, size <input type="checkbox"/> Special provisions used for crossing rough terrain or streams

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Field Border (386), ft.	<input type="checkbox"/> Location and extent planned and identified on map <input type="checkbox"/> Completed Wildlife Habitat Appraisal Guide (WHAG) or biologist-written wildlife habitat plan if wildlife is a selected modifier	<input type="checkbox"/> Description of the vegetation at the time of checkout (e.g. percentage of desirable species, height, and condition) <input type="checkbox"/> Practice photos (preferable showing adjacent land uses on each side, before/after) <input type="checkbox"/> Seed tags recommended for plantings
Filter Strip (393), ac.	<p>Planning</p> <input type="checkbox"/> Determine the purpose of the filter strip giving due consideration to protecting the resource of concern <input type="checkbox"/> Record location of the planned filter strip with approximate slope <p>Design</p> <input type="checkbox"/> Narrative or Design Report, including documentation of planning decisions <input type="checkbox"/> Drainage Area <input type="checkbox"/> Length, flow width (refers to the flow length), and slope of the filter strip required <input type="checkbox"/> Design computations, including RUSLE2 for soil loss and sediment delivery <input type="checkbox"/> Species selection, seeding or sprigging rates, and planting dates <input type="checkbox"/> Care and handling of seed to ensure acceptable survival rate <input type="checkbox"/> Plans and specifications Location & plan view <input type="checkbox"/> O&M Plan	<input type="checkbox"/> Profile filter strip to obtain the width and slope <input type="checkbox"/> Length and width measured by, calibrated measuring wheel, GPS or other equivalent method <input type="checkbox"/> RUSLE2 value documenting the design has a minimum 10-year life span <input type="checkbox"/> Photos (preferable before/after showing adjacent land use, what is being filtered, crops, and land use below filter)
Firebreak (394), ft.	<input type="checkbox"/> Location and extent planned identified on map <input type="checkbox"/> Type of firebreak planned <input type="checkbox"/> If seeded, planting rates, dates, and plant species to be established <input type="checkbox"/> Description of any erosion control measures needed <input type="checkbox"/> Operations and maintenance requirements	<input type="checkbox"/> Photos (preferable before/after) <input type="checkbox"/> Seed tags recommended for plantings
Forage and Biomass Planting (512), ac.	<input type="checkbox"/> Planting rates, dates, and plant species to be established <input type="checkbox"/> Type of seedbed <input type="checkbox"/> Planting method	<input type="checkbox"/> Species present <input type="checkbox"/> Seeding date <input type="checkbox"/> Adequacy of stand <input type="checkbox"/> Planting method <input type="checkbox"/> Note problem areas or potential problem areas
Forage Harvest Management (511), ac.	<input type="checkbox"/> Planned stage of maturity at harvest <input type="checkbox"/> Moisture content at harvest <input type="checkbox"/> Stubble height <input type="checkbox"/> Forage-Animal Balance when harvested for on-farm use (Tool: Graze.xls)	<input type="checkbox"/> Documented stubble height <input type="checkbox"/> Approximate cutting date <input type="checkbox"/> Soil test (less than 1 year old)
Forest Site Preparation (490), ac.	<input type="checkbox"/> Statement of method of site preparation <input type="checkbox"/> Identify any planned erosion control measures	<input type="checkbox"/> Photos (preferable after)

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Forest Stand Improvement (666), ac.	<ul style="list-style-type: none"> <input type="checkbox"/> Statement identifying purpose for improvement <input type="checkbox"/> Woodland inventory transect, when timber production is primary land use <input type="checkbox"/> Completed Wildlife Habitat Appraisal Guide (WHAG) or biologist-written wildlife habitat plan if wildlife is a selected modifier <input type="checkbox"/> HEP if wildlife is primary land use <input type="checkbox"/> Stocking before and planned stocking after improvement 	<ul style="list-style-type: none"> <input type="checkbox"/> Actual residual stocking rate
Grade Stabilization Structure (410), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Determine that a stable outlet is available or can be made available <input type="checkbox"/> Engineering job class and conditions below structure <input type="checkbox"/> Surveys w/ permanent benchmark <ul style="list-style-type: none"> <input type="checkbox"/> Centerline cross section and profile up and downstream where structure will be located <input type="checkbox"/> Profile and investigation downstream to evaluate stability of receiving channel <input type="checkbox"/> Stage-storage surveys <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> WINPOND or other state approved software, e.g., Rock Chute Design, Wire Panel spreadsheet <input type="checkbox"/> Drainage areas, grades, over fall dimensions, site conditions and related hydraulic design data <input type="checkbox"/> Hydraulics for all flow conditions (pipe, weir and orifice) <input type="checkbox"/> Plans and specifications specific requirements <ul style="list-style-type: none"> <input type="checkbox"/> Site plan layout <input type="checkbox"/> Location and details of the principal and auxiliary spillway <input type="checkbox"/> Cross sections and profiles of embankment and spillways, cutoff trench, borrow areas <input type="checkbox"/> Details for pipe conduits and seepage control <input type="checkbox"/> Special requirements for foundation preparation <input type="checkbox"/> Requirements for diverting water, dewatering the site, or spoil disposal <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Layout with cuts/fills <input type="checkbox"/> Profile along the centerline of the embankment and auxiliary spillway every 50 feet and at slope breaks <input type="checkbox"/> Cross section along centerline of auxiliary (emergency) spillway including entrance and exit slopes <input type="checkbox"/> Cross section along the center line of the principal spillway from the upstream invert of the pipe (including crest) to a minimum of 10 feet beyond the pipe outlet invert <input type="checkbox"/> As-built final construction dimensions and details <input type="checkbox"/> Document materials installed <input type="checkbox"/> For pipe <ul style="list-style-type: none"> <input type="checkbox"/> ASTM standard number <input type="checkbox"/> Pipe size <input type="checkbox"/> Material designation (e.g., PVC 12454, or PVC 1120, or PVC Type 1, Grade 1) <input type="checkbox"/> DWV, if for drainage <input type="checkbox"/> Pressure rating if for pressure <input type="checkbox"/> SDR number or Schedule number <input type="checkbox"/> Photos (during installation documenting below ground measures)
Grassed Waterway (412), ac.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Determination that the outlet is stable with adequate capacity for the design flow <input type="checkbox"/> Surveys to consist of profile, cross section, permanent benchmark where necessary <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Narrative or Design Report, including documentation of planning decisions <input type="checkbox"/> Calculations <ul style="list-style-type: none"> <input type="checkbox"/> Drainage areas <input type="checkbox"/> Design grade, width, depth, retardance <input type="checkbox"/> Spring flow interception <input type="checkbox"/> Design computations and waterway dimensions <input type="checkbox"/> Plans and Specifications (use IR [job sheet] or equivalent) <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Layout with cuts/fills <input type="checkbox"/> Profile waterway on intervals not exceeding 100 feet <input type="checkbox"/> Cross-section at section(s) least likely to meet the design <input type="checkbox"/> Quantity measurements <input type="checkbox"/> Location, size, etc., of subsurface drains if used <input type="checkbox"/> Critical area methods/techniques refer to (342) Critical Area Planting for vegetative establishment <input type="checkbox"/> Photo (preferable before/after)

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Heavy Use Area Protection (561), ac.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> If AFO, then Certified CNMP (current) showing need and meeting criteria of CAP 102 <input type="checkbox"/> Beef Site Assessment Tool, if applicable <input type="checkbox"/> Indication of how practice will function as component of a Comprehensive Nutrient Management Plan (CNMP) and/or Grazing Plan <input type="checkbox"/> Location of sensitive areas considered <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Plans and specifications (use IR [job sheet] or equivalent) <ul style="list-style-type: none"> <input type="checkbox"/> Plan view of system <input type="checkbox"/> Cross sections w/ thickness of base course and surface treatment as appropriate <input type="checkbox"/> Description of surface treatment <input type="checkbox"/> Runoff treatment or exclusion design <input type="checkbox"/> O&M Plan <input type="checkbox"/> O&M Plan for Rotational Loafing Lots on Dairy 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> As-built plan view with dimensions <input type="checkbox"/> Photos (before and after) <input type="checkbox"/> Measured area with tape measure, calibrated measuring wheel, GPS located, or other equivalent method <input type="checkbox"/> Surface treatment type, thickness and quantity <input type="checkbox"/> Non-woven geotextile fabric dimensions, overlap, tensile strength/weight
Hedgerow Planting (422), ft.	<ul style="list-style-type: none"> <input type="checkbox"/> Location and extent planned identified on map <input type="checkbox"/> Planting rates, dates and plant species to be established <input type="checkbox"/> Completed Wildlife Habitat Appraisal Guide (WHAG) or biologist-written wildlife habitat planHabitat deficiency to be addressed by the hedgerow 	<ul style="list-style-type: none"> <input type="checkbox"/> Description of the vegetation at the time of checkout (e.g. percentage of desirable species, height, and condition). <input type="checkbox"/> Photo (preferable before/after)
Herbaceous Weed Control (315), ac.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Identify target weed species and cover density <input type="checkbox"/> Planned Treatment (mechanical, biological, chemical, or combination) <ul style="list-style-type: none"> <input type="checkbox"/> Management method or pesticide name <input type="checkbox"/> Rates, product, and form <input type="checkbox"/> Timing of application <input type="checkbox"/> Method of application <input type="checkbox"/> Evaluate environmental impact of the pesticide management using Windows Pesticide Screening Tool (WIN-PST) soil-pesticide interaction report if applicable <input type="checkbox"/> Locate and plan for setbacks for water bodies, streams, wetlands, sinkholes, and sensitive areas 	<ul style="list-style-type: none"> <input type="checkbox"/> Degree of control of target pest
Integrated Pest Management (595), ac.	<ul style="list-style-type: none"> <input type="checkbox"/> Completion of an IPM Plan (utilize the TN Pest Management Considerations in Conservation Planning and 595 IR [job sheet] and WINPST) <input type="checkbox"/> Crop rotation and residue management information <input type="checkbox"/> Identify target pests <input type="checkbox"/> Pest control and management/method <ul style="list-style-type: none"> <input type="checkbox"/> Method(s) of control selected (mechanical, biological, cultural, chemical) <input type="checkbox"/> Management method(s) or pesticide name(s) <input type="checkbox"/> Rate, form, timing, and method of applications for each pesticide <input type="checkbox"/> Identify Mitigation Techniques (conservation practices and management practices) that address the IPM strategies of prevention avoidance, monitoring, and suppression <input type="checkbox"/> Locate and plan for setbacks for water bodies, streams, wetlands, sinkholes and sensitive areas. <input type="checkbox"/> O&M Plan 	<ul style="list-style-type: none"> <input type="checkbox"/> Certified IPM Plan <input type="checkbox"/> IPM CAP Checklist or IPM HRW CAP Checklist

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Irrigation Storage Reservoir (436), no.	<input type="checkbox"/> Irrigation Water Management Plan (449) meeting criteria of CAP 118 <input type="checkbox"/> Same as Pond (Code 378)	<input type="checkbox"/> Same as Pond (Code 378)
Irrigation System, Microirrigation (441), ac.	<p>Planning</p> <input type="checkbox"/> Before and after energy and water savings evaluation (FIRI) to document resource concern and need for new irrigation components <input type="checkbox"/> Irrigation Water Management Plan (449) meeting criteria of CAP 118 <input type="checkbox"/> Survey data to plan the location and size of system <p>Design</p> <input type="checkbox"/> Design Package from Engineering Staff or TSP	<p>Construction</p> <input type="checkbox"/> System check during operation <input type="checkbox"/> Check lateral size, length, spacing and manufacturer's markings; applicator locations, spacing, type, and kind; valves; filters; pressure regulators; and all other appurtenances for conformance to plan and design <input type="checkbox"/> Check emission uniformity <input type="checkbox"/> Photo Log of installation
Irrigation System, Sprinkler (442), ac.	<p>Planning</p> <input type="checkbox"/> Before and after energy and water savings evaluation (FIRI) to document resource concern and need for new irrigation components <input type="checkbox"/> Irrigation Water Management Plan (449) meeting criteria of CAP 118 <input type="checkbox"/> Gather sufficient survey data to plan the location and size of sprinkler system; calculate quantities and prepare cost estimates <input type="checkbox"/> Expected annual average water and energy usage <input type="checkbox"/> For a nozzle conversion, check existing pump to see that it is compatible for low pressure. <p>Design</p> <input type="checkbox"/> Design Package from NRCS engineering staff or TSP or certified irrigation designer or certified agricultural irrigation specialist http://www.irrigation.org/Certification/Certification_Programs.aspx	<p>Construction</p> <input type="checkbox"/> Record kind, type, class, sizes, spacing, pressure, and capacity of sprinklers and type, size, etc., of all appurtenances <input type="checkbox"/> Final notes and measurement shall include: <ul style="list-style-type: none"> <input type="checkbox"/> Spacing of laterals and nozzles <input type="checkbox"/> Size of nozzles, laterals and mainline <input type="checkbox"/> Location, type and size of filters and other appurtenances <input type="checkbox"/> Applicable supporting data documentation items for mainline pipe and pump <input type="checkbox"/> Operational pressure test before soil placement <input type="checkbox"/> Photo Log of installation
Irrigation System, Tailwater Recovery (447), no.	<input type="checkbox"/> Irrigation Water Management Plan (449) meeting criteria of CAP 118 <input type="checkbox"/> Same as Pond (Code 378)	<input type="checkbox"/> Same as Pond (Code 378)

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Irrigation Water Conveyance, Pipeline (430 All), ft.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Before and after energy and water savings evaluation (FIRI) to document resource concern and need for new irrigation components <input type="checkbox"/> Irrigation Water Management Plan (449) meeting criteria of CAP 118 <input type="checkbox"/> Topographic information - sufficient to locate summits and valleys <input type="checkbox"/> Profile pipeline only where summits cannot be determined <input type="checkbox"/> Location of water supply and elevation of pump discharge pipe <input type="checkbox"/> Depth to bedrock and soils information <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Design Package from Engineering Staff or TSP or certified irrigation designer or certified agricultural irrigation specialist 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Lengths and size measured in the field using a chain, calibrated measuring wheel, GPS, or other equivalent method <input type="checkbox"/> Pipe type and class, pressure rating, manufacturer's markings, etc. for all pipe installed <ul style="list-style-type: none"> <input type="checkbox"/> ASTM standard number <input type="checkbox"/> Pipe size <input type="checkbox"/> Material designation (e.g., PVC 12454, or PVC 1120, or PVC Type 1, Grade 1) <input type="checkbox"/> Pressure rating if for pressure <input type="checkbox"/> SDR number or Schedule number <input type="checkbox"/> Size and location of all components such as air release valves, pressure release valves, thrust blocks, etc. <input type="checkbox"/> Cover depth - minimum of one check on each pipeline but not less than one check for each 2,000 feet of pipeline installed <input type="checkbox"/> Operational pressure test check <input type="checkbox"/> Photo Log of installation
Irrigation Water Management (449), no.	<ul style="list-style-type: none"> <input type="checkbox"/> Certified plan meeting criteria for 118 CAP 	<ul style="list-style-type: none"> <input type="checkbox"/> Certified IWMP completed according to criteria for 118 CAP in FOTG <input type="checkbox"/> Completion and administrative approval of 118 CAP Checklist
Karst Sinkhole Treatment (527), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Geologist report evaluating site and suitable methods of treatment <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Location (latitude and longitude) <input type="checkbox"/> Inverted filter design, where applicable <input type="checkbox"/> Cost Estimate <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Lengths and depth measured in the field using a tape, survey rod, or other equivalent method. <input type="checkbox"/> Photo Log of installation

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Livestock Pipeline (516), ft.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Topographic information - sufficient to locate summits and valleys <input type="checkbox"/> Profile pipeline only where summits cannot be determined <input type="checkbox"/> Location of water supply and elevation of pump discharge pipe <input type="checkbox"/> Depth to bedrock and soils information <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Narrative or design report, including documentation of planning decisions <input type="checkbox"/> Utilize Tennessee approved computer software <input type="checkbox"/> Discharge rate, hydraulic gradient or friction losses <input type="checkbox"/> Appurtenant structures to be installed, if applicable <input type="checkbox"/> Estimated quantity of pipe by sizes and other needed data such as pressure rating, depth of cover, manufacturer's markings, wall thickness <input type="checkbox"/> Plans and specifications <ul style="list-style-type: none"> <input type="checkbox"/> Plan layout <input type="checkbox"/> Material type, size and pressure class for pipe and fittings <input type="checkbox"/> Pipe trench/backfill requirements <input type="checkbox"/> Safety features for trenches, when applicable <input type="checkbox"/> Buried utilities disclaimer <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Layout with cuts/fills <input type="checkbox"/> Lengths and size measured in the field using a, calibrated measuring wheel, GPS, or other equivalent method <input type="checkbox"/> Pipe type and class, pressure rating, manufacturer's markings, etc. for all pipe installed (photo) <ul style="list-style-type: none"> <input type="checkbox"/> ASTM standard number <input type="checkbox"/> Pipe size <input type="checkbox"/> Material designation (e.g., PVC 12454, or PVC 1120, or PVC Type 1, Grade 1). <input type="checkbox"/> Pressure rating if for pressure <input type="checkbox"/> SDR number or Schedule number <input type="checkbox"/> Cover depth - minimum of one check on each pipeline but not less than one check for each 2,000 feet of pipeline installed (photo) <input type="checkbox"/> Operational pressure test check before soil placement
Manure Transfer (634), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> If AFO, then CNMP (current) showing need and meeting criteria of CAP 102 <input type="checkbox"/> Determine locations and extents of structures and conveyances <input type="checkbox"/> Location of existing buildings, utilities, etc., on topographic survey - in the vicinity of the proposed improvements <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Design Package from Engineering Staff or TSP 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Checks as the work progresses (i.e., photo log, observations, measurements, and surveys) <input type="checkbox"/> Records according to inspection and quality assurance plans <input type="checkbox"/> As-built drawings approved by person holding EJAA <input type="checkbox"/> Thrust blocks and appurtenances
Mulching (484), ac.	<ul style="list-style-type: none"> <input type="checkbox"/> Type <input type="checkbox"/> Amount <input type="checkbox"/> Anchoring requirements 	<ul style="list-style-type: none"> <input type="checkbox"/> Type <input type="checkbox"/> Amount applied <input type="checkbox"/> Anchoring spacing and type, no. of pins per sq. ft.
Nutrient Management (590), ac.	<ul style="list-style-type: none"> <input type="checkbox"/> Nutrient Management Plan development meeting criteria of CAP 104 <input type="checkbox"/> Current soil test from approved laboratory (copy of representative soil test for each management unit) <input type="checkbox"/> Current manure testing from approved laboratory, when manure is applied <input type="checkbox"/> Budget of nutrient applications (Use MMP) <input type="checkbox"/> Methods, source, rate, and timing of nutrient and lime applications <input type="checkbox"/> Crop rotations and residue management method <input type="checkbox"/> Actions to protect sensitive water areas (include in narrative and map) <input type="checkbox"/> O&M Plan 	<ul style="list-style-type: none"> <input type="checkbox"/> Certified NMP (104) CAP checklist completed and administratively approved <input type="checkbox"/> Copy of the nutrient application records (commercial and manure) maintained by the client <input type="checkbox"/> Photos documenting crop health (optional)

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Pond (378), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Make a preliminary investigation to determine site suitability, considering soils, topography, etc. <input type="checkbox"/> Surveys w/ permanent benchmarks <input type="checkbox"/> Where irrigation is the primary purpose of the impoundment determine that irrigation storage is feasible with an adequate supply of water available <input type="checkbox"/> Check appropriate requirements of state laws for permitting and notify landowner of his/her responsibilities. In many cases a permit is required prior to construction. <input type="checkbox"/> Stage-storage surveys <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Narrative or Design Report, including documentation of planning decisions <input type="checkbox"/> WINPOND or other approved program or spreadsheet <input type="checkbox"/> Drainage areas, grades, over fall dimensions, site conditions and related hydrologic design data <input type="checkbox"/> Hydraulic calculations for all flow conditions (pipe, weir and orifice) <input type="checkbox"/> Plans and specifications <ul style="list-style-type: none"> <input type="checkbox"/> Site plan layout <input type="checkbox"/> Location and details of the principal and auxiliary spillway <input type="checkbox"/> Cross sections and profiles of embankment and spillway, cutoff trench, borrow areas <input type="checkbox"/> Details for pipe conduits <input type="checkbox"/> Requirements for diverting water, dewatering the site, or spoil disposal <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> GPS location <input type="checkbox"/> Profile along the centerline of the embankment and auxiliary spillway every 50 feet and at slope breaks <input type="checkbox"/> Cross section along the center line of the principal spillway from the upstream invert of the pipe (including crest) to a minimum of 10 feet beyond the pipe outlet invert <input type="checkbox"/> Cross section along centerline of auxiliary (emergency) spillway including entrance and exit slopes <input type="checkbox"/> As-built final construction dimensions, details, etc. <input type="checkbox"/> Document materials installed <input type="checkbox"/> Photo Log of installation
Pond Sealing or Lining (521), ac.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Certified CNMP (current) showing need and meeting criteria of CAP 102 <input type="checkbox"/> Soils and geologic investigation to determine if a lining is required <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Design Package from Engineering Staff 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Checks as the work progresses (i.e., photo log, observations, measurements, and surveys) <input type="checkbox"/> Records according to inspection and quality assurance plans <input type="checkbox"/> As built drawings
Prescribed Burning (338), ac.	<ul style="list-style-type: none"> <input type="checkbox"/> Identified purpose of the prescribed burn <input type="checkbox"/> Prescribed burn plan 	<ul style="list-style-type: none"> <input type="checkbox"/> Copy of prescribed burn plan used to conduct the burn <input type="checkbox"/> Photos (after)
Prescribed Grazing (528), ac.	<ul style="list-style-type: none"> <input type="checkbox"/> Estimated production, distribution, and utilization <input type="checkbox"/> Planned grazing and rest period <input type="checkbox"/> Planned grazing height beginning and ending height <input type="checkbox"/> Tools: Estimated Paddock Size, Graze Program 	<ul style="list-style-type: none"> <input type="checkbox"/> Grazing height maintained and date

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Pumping Plant (533), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Preliminary investigation to determine need and feasibility of the pumping plant. Determine type of pumps (axial flow, centrifugal, etc.) that would be applicable to the proposed project. <input type="checkbox"/> If AFO, then Certified CNMP (current) showing need and meeting criteria of CAP 102 <input type="checkbox"/> Evaluation of existing pump if applicable <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Narrative or design report, including documentation of planning decisions <input type="checkbox"/> Determine the capacity (gpm) and total dynamic head (feet) <input type="checkbox"/> Plans and Specifications <ul style="list-style-type: none"> <input type="checkbox"/> Pump location <input type="checkbox"/> Type and minimum pump requirements <input type="checkbox"/> Installation details (pad, mounting, utility service, etc.) <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Size, type of pump, model, manufacturer, pump curve <input type="checkbox"/> Gear head if applicable (i.e. HP, RPM, Ratio) <input type="checkbox"/> Power unit: type, manufacturer, rpm, HP. Note safety and pump label of unit (i.e. power shaft covered, etc.) <input type="checkbox"/> Intake elevation of suction line <input type="checkbox"/> Operational check <input type="checkbox"/> As-built drawings showing final construction dimensions, details, etc. <input type="checkbox"/> Photos of installed pump and labels
Residue and Tillage Management. No Till (329), ac.	<ul style="list-style-type: none"> <input type="checkbox"/> Crops in rotation <input type="checkbox"/> Types, and timing of tillage operations for each crop <input type="checkbox"/> Residue amount after harvest of the prior crop and at planting of current crop <input type="checkbox"/> Before and after soil loss calculations (RUSLE2) <input type="checkbox"/> Acreage <input type="checkbox"/> O&M Plan 	<ul style="list-style-type: none"> <input type="checkbox"/> Description of the residue and distribution at the time of checkout (e.g. percentage of residue evenly distributed across the field). <input type="checkbox"/> Photos of typical residue after harvest and at planting (strongly encouraged)
Residue and Tillage Management, Reduced Till (345), ac.	<ul style="list-style-type: none"> <input type="checkbox"/> Crops in rotation that will receive the practice <input type="checkbox"/> Types and timing of tillage operations for each crop <input type="checkbox"/> Estimated surface residue following each operation <input type="checkbox"/> Before and after soil loss calculations (RUSLE2) <input type="checkbox"/> Acreage <input type="checkbox"/> O&M Plan 	<ul style="list-style-type: none"> <input type="checkbox"/> Amount of remaining residue (e.g. percentage of residue remaining after the tillage operations) <input type="checkbox"/> Photos of typical residue remaining after tillage operation (strongly encouraged)
Riparian Forest Buffer (391), ac.	<ul style="list-style-type: none"> <input type="checkbox"/> Statement identifying purpose <input type="checkbox"/> Identify geomorphic floodplain <input type="checkbox"/> Width <input type="checkbox"/> Species to be established or maintained <input type="checkbox"/> Time of planting and spacing <input type="checkbox"/> Any protective measures needed, i.e. fencing, seedling protectors, etc. 	<ul style="list-style-type: none"> <input type="checkbox"/> Extent of practice units applied <input type="checkbox"/> Width and extent of buffer zones <input type="checkbox"/> Actual plant materials used or maintained <input type="checkbox"/> Extent of any protective measures used <input type="checkbox"/> Survival checks of plant communities established <input type="checkbox"/> Photos (preferable before/after)
Roof and Covers (367), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Preliminary investigation to determine the overall need and feasibility, and type of outlet for disposing of the runoff, etc. <input type="checkbox"/> If AFO, then Certified CNMP (current) showing need and meeting criteria of CAP 102 <input type="checkbox"/> Surveys to determine <ul style="list-style-type: none"> <input type="checkbox"/> Roof area to be treated <input type="checkbox"/> Establish benchmark where needed to establish elevations for construction <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Design Package from Engineering Staff 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Photos (preferable before/after, materials used, connections, etc.) <input type="checkbox"/> As-built drawings

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Roof Runoff Structure (558), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Preliminary investigation to determine the overall need and feasibility, and type of outlet for disposing of the runoff, etc. <input type="checkbox"/> Surveys to determine <ul style="list-style-type: none"> <input type="checkbox"/> Roof area to be treated <input type="checkbox"/> If the system is part of a total waste management plan, etc., a topographical map will show location of all buildings, ground elevations, and outlet locations <input type="checkbox"/> Establish benchmark where needed to establish elevations for construction <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Design Package from Engineering Staff 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Photos (preferable before/after, materials used, connections, etc.) <input type="checkbox"/> As-built drawings
Seasonal High Tunnel System for Crops (798), ft ²	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> RUSLE 2 before and after calculations (only if the high tunnel is moved) <input type="checkbox"/> Document site suitability <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Structure location <input type="checkbox"/> Approved supplier list sources for seasonal high tunnels <input type="checkbox"/> Seasonal High Tunnel Systems Records Package (Pre-Installation form completed) <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Photos (preferable before/after, materials used, connections, etc.) <input type="checkbox"/> Seasonal High Tunnel Systems Records Installation Cost Form Completed
Sediment Basin (350), no.	<ul style="list-style-type: none"> <input type="checkbox"/> Need RUSLE-2 run or other approved erosion estimator <input type="checkbox"/> Same as Grade Stabilization Structure (Code 410) 	<ul style="list-style-type: none"> <input type="checkbox"/> Same as Grade Stabilization Structure (Code 410)
Spring Development (574), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Determine if the site is suitable for spring development <input type="checkbox"/> Surveys - profile of system. Establish permanent benchmark <input type="checkbox"/> Wetland Determination needed? Permits? <input type="checkbox"/> Note: Drying land thereby making commodity crop production possible is a swampbuster violation. <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Plans and Specifications <ul style="list-style-type: none"> <input type="checkbox"/> Location sketch showing all components <input type="checkbox"/> Length, width, and depth of trench if applicable <input type="checkbox"/> Length, size, and kind of collection pipes, spring box, and outlet pipes <input type="checkbox"/> Critical elevations of all component structures <input type="checkbox"/> Cut and fill slopes where applicable <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Dimensions and elevations of collection system, spring box <input type="checkbox"/> Outlet flow rate calculations <input type="checkbox"/> Quantities <input type="checkbox"/> As-built drawings <input type="checkbox"/> Photos (installation)

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Stream Crossing (578), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Determine if proposed crossing would be stable <input type="checkbox"/> Indication of how practice will function as component of a Comprehensive Nutrient Management Plan (CNMP) and/or Prescribed Grazing System <input type="checkbox"/> Surveys <ul style="list-style-type: none"> <input type="checkbox"/> Establish permanent benchmark <input type="checkbox"/> Profile in stream 100 feet up and 100 feet down stream <input type="checkbox"/> Cross section at centerline of crossing and one at 100 feet up and down stream of crossing <input type="checkbox"/> Drainage areas along with hydrologic factors to compute stream flow <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Calculations <input type="checkbox"/> Plan and specifications <ul style="list-style-type: none"> <input type="checkbox"/> Site Plan <input type="checkbox"/> Sections and Profiles as needed <input type="checkbox"/> Construction Specifications <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> As-built drawings <input type="checkbox"/> Photos (before/after)
Streambank and Shoreline Protection (580), ft.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Determine the complexity of the problem and type of treatment needed to protect the streambank and extent of survey needed <input type="checkbox"/> Surveys <ul style="list-style-type: none"> <input type="checkbox"/> Establish the location of the area to be protected <input type="checkbox"/> Establish permanent benchmark <input type="checkbox"/> Cross sections at not more than 100-foot intervals, depending upon irregularity of the natural ground and/or area to be protected <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Design Package from Engineering Staff 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> As-built drawings showing final construction dimensions, details, etc. <input type="checkbox"/> Photos (before/after)
Structure for Water Control (587), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Preliminary investigation to determine feasibility, considering drainage and drawdown requirements, availability of an outlet, potential spillway locations, and costs <input type="checkbox"/> Surveys <ul style="list-style-type: none"> <input type="checkbox"/> Establish permanent benchmark with topographic survey if needed <input type="checkbox"/> Survey data to plan the location of proposed structure <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Determine drainage areas, design flow, structure elevations, grades, over fall dimensions, site conditions and related hydraulic design data or use approved computer program <input type="checkbox"/> Check pipe hydraulics for all flow conditions - pipe, weir and orifice <input type="checkbox"/> Calculate scour at outlet if applicable <input type="checkbox"/> Plans and specifications <ul style="list-style-type: none"> <input type="checkbox"/> Location and plan view of structure <input type="checkbox"/> Typical profile and cross section of structure <input type="checkbox"/> Structure dimensions and elevations <input type="checkbox"/> Type, quality, and quantity of material to be used for structures <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Prepare as-built drawings showing final construction dimensions and details, including sizes, elevations and locations <input type="checkbox"/> Photos (before/after, installation of buried components)

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Subsurface Drain (606), ft.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Preliminary investigation to determine feasibility considering drainage requirements, availability of an outlet, subsurface conditions, and costs <input type="checkbox"/> Surveys <ul style="list-style-type: none"> <input type="checkbox"/> Establish permanent benchmark <input type="checkbox"/> Survey data to plan the location including profile of proposed drain(s) <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Capacity requirements of conduit, riser and other appurtenances and determine required size <input type="checkbox"/> Plans and specifications <ul style="list-style-type: none"> <input type="checkbox"/> Site plan layout showing location of structure <input type="checkbox"/> Profile of the drain showing slope, depth and critical elevations <input type="checkbox"/> Details of appurtenance structures (vents, standpipes, inlets, outlets, etc.) including location, dimensions, elevations, and materials <input type="checkbox"/> Special compaction or bedding requirements where applicable <input type="checkbox"/> Pipeline size, class, length <input type="checkbox"/> Vegetative treatments and requirements <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Pipe markings, class, size, lengths, grade, dimensions and depths of cover <ul style="list-style-type: none"> <input type="checkbox"/> ASTM standard number <input type="checkbox"/> Pipe size <input type="checkbox"/> Material designation (e.g., PVC 12454, or PVC 1120, or PVC Type 1, Grade 1) <input type="checkbox"/> DWV, if for drainage <input type="checkbox"/> Pressure rating if for pressure <input type="checkbox"/> SDR number or Schedule number <input type="checkbox"/> Pipe lengths measured to the nearest foot with a chain, calibrated measuring wheel, GPS, or other equivalent method <input type="checkbox"/> Location, size and elevation of inlets, outlets or other appurtenance structures <input type="checkbox"/> If the water outlets underground, it falls under the Class V injection well program per TDEC <input type="checkbox"/> Photo (installation of buried components)
Terrace (600), ft.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Preliminary investigation of the need and feasibility of a terrace system based on topography, availability and adequacy of outlets, erodibility of the soils, land use and cost <input type="checkbox"/> Surveys <ul style="list-style-type: none"> <input type="checkbox"/> Topographical data when necessary <input type="checkbox"/> Profile (100-foot stations) <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Average land slope and horizontal interval for each terrace <input type="checkbox"/> Equipment width, spacing & type of terrace <input type="checkbox"/> From the profile of the terrace, establish grade with cuts and fills <input type="checkbox"/> For storage terraces, use Tennessee approved engineering programs e.g., wascob.xls and doc req. for WASCOB & Underground Outlets <input type="checkbox"/> Plans and specifications <ul style="list-style-type: none"> <input type="checkbox"/> Terrace IR (job sheet) <input type="checkbox"/> Location of terrace and underground outlet structures or grade stabilization structure <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Layout with cuts/fills <input type="checkbox"/> Length of each terrace measured w/ chain, calibrated measuring wheel, GPS, or other equivalent method <input type="checkbox"/> Profile and cross section one terrace (pick the one that is least likely to meet standards and specs) in each field or one terrace in each group of terraces <input type="checkbox"/> For underground outlets, see Underground Outlet certification documentation <input type="checkbox"/> Outlet adequacy
Tree/Shrub Establishment (612), ac.	<ul style="list-style-type: none"> <input type="checkbox"/> Planting rates, dates and plant species to be established <input type="checkbox"/> If site preparation practice is needed <input type="checkbox"/> Any protective measures needed, i.e. fencing, seedling protectors, etc. <input type="checkbox"/> Spacing 	<ul style="list-style-type: none"> <input type="checkbox"/> Species established <input type="checkbox"/> Planting date <input type="checkbox"/> Survival checks of plant communities established <input type="checkbox"/> Photos (after showing spacing)

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Underground Outlet (620), ft.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Need for underground outlet versus other outlet <input type="checkbox"/> Engineering Job Class <input type="checkbox"/> Survey with permanent benchmark <input type="checkbox"/> Plotted ground profile for proposed pipeline (shots every 100 feet and at slope breaks) <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Completion of spreadsheet wascob.xls or other state approved software <input type="checkbox"/> Plans and specifications <ul style="list-style-type: none"> <input type="checkbox"/> Site plan layout showing location of structure and ground elevations <input type="checkbox"/> Designed pipeline profile showing planned grades and elevations <input type="checkbox"/> Details of appurtenance structures (inlets, orifice outlets, etc.) including location, dimensions, elevations, and type of materials (pipeline size, type, class, length) <input type="checkbox"/> Special compaction or bedding requirements where applicable <input type="checkbox"/> Location of utilities and notification requirements <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Layout showing cuts <input type="checkbox"/> Lengths of underground outlets measured to the nearest foot with a chain, calibrated measuring wheel, GPS, or other equivalent method <input type="checkbox"/> Elevations demonstrating conformance to design <input type="checkbox"/> Photos (installation and type materials used) <input type="checkbox"/> Pipe markings, class, size, lengths, grade, dimensions and depths of cover <ul style="list-style-type: none"> <input type="checkbox"/> ASTM standard number <input type="checkbox"/> Pipe size <input type="checkbox"/> Material designation (e.g., PVC 12454, or PVC 1120, or PVC Type 1, Grade 1) <input type="checkbox"/> DWV, if for drainage <input type="checkbox"/> Pressure rating if for pressure <input type="checkbox"/> SDR number or Schedule number <input type="checkbox"/> Pipe soil cover and design grade verification
Upland Wildlife Habitat Management (645), ac.	<ul style="list-style-type: none"> <input type="checkbox"/> Species to be managed <input type="checkbox"/> Type and extent of management treatments planned <input type="checkbox"/> Tool Required: Completed Wildlife Habitat Appraisal Guide (WHAG) or biologist-written wildlife habitat plan 	<ul style="list-style-type: none"> <input type="checkbox"/> Documentation of the health and quality of the planted materials <input type="checkbox"/> Photos and documentation that management was performed properly and in the proper time periods
Waste Facility Closure (360), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Certified CNMP (current) showing need and meeting criteria of CAP 102 <input type="checkbox"/> Determine the extent of the waste impoundment to be closed and the appropriate method of closure <input type="checkbox"/> Topographical survey w/ permanent benchmark <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Design Package from Engineering Staff 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> As-built drawings signed by person with EJAA <input type="checkbox"/> Photos (before/after)
Waste Recycling (633), Tons	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Certified CNMP (current) showing need and meeting criteria of CAP 102 <input type="checkbox"/> Preliminary investigation to determine feasibility of recycling waste, i.e., topography, flood plain, type material, proximity to neighboring landowners, off-site application, temporary storage, and cost <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Method(s) for waste recycling <input type="checkbox"/> Plans and specifications <ul style="list-style-type: none"> <input type="checkbox"/> Location and timing of waste recycling <input type="checkbox"/> Amount of waste to apply per acre <input type="checkbox"/> Record keeping requirements <input type="checkbox"/> O&M Plan 	<ul style="list-style-type: none"> <input type="checkbox"/> End use of product and quantity

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Waste Storage Facility (313), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Certified CNMP (current) showing need and meeting criteria of CAP 102 <input type="checkbox"/> Refer to SOW for this practice for complete requirements <input type="checkbox"/> Record of site visit with the geologist and soil scientist with applicable reports <input type="checkbox"/> Preliminary Investigation <ul style="list-style-type: none"> <input type="checkbox"/> CNMP (current) indicating need <input type="checkbox"/> Complete subsurface investigation reports and testing for liquid containment pits GPS located and elevations referenced to permanent benchmarks – see Waste Storage Facility SOW <input type="checkbox"/> For Poultry Litter Storage, completion of TN-ENG-313A or equivalent <input type="checkbox"/> Topographical Survey w/ permanent benchmarks <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Design Package from Engineering Staff or TSP 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Checks as the work progresses (i.e., photo log, observations, measurements, and surveys) <input type="checkbox"/> Records according to inspection and quality assurance plans <input type="checkbox"/> As built drawings as prepared and signed by person with EJAA <input type="checkbox"/> Photos (before/after, installation of concrete, timbers, forms, steel placement, size and spacing, geology, compaction met, mulching)
Water and Sediment Control Basin (638), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Same as Grade Stabilization Structure (Code 410) <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> RUSLE-2 or other erosion estimator for sediment storage <input type="checkbox"/> Completion of wascob.xls or other state approved software <input type="checkbox"/> Drainage areas, grades, over fall dimensions, site conditions and related hydraulic design data <input type="checkbox"/> Hydraulics for all flow conditions (pipe, weir and orifice size) <input type="checkbox"/> Plans and specifications specific requirements <ul style="list-style-type: none"> <input type="checkbox"/> Site plan layout <input type="checkbox"/> Location and details of the principal and auxiliary spillway <input type="checkbox"/> Cross sections and profiles of embankment and spillway, cutoff trench, borrow areas <input type="checkbox"/> Details for pipe conduits/risers/orifice size <input type="checkbox"/> Special requirements for foundation preparation <input type="checkbox"/> Requirements for diverting water, dewatering the site, or spoil disposal where applicable <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Same as Grade Stabilization Structure (Code 410)
Water Well (642), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Geologist approval, if needed. (See Water Well Requirement Sheet.) <input type="checkbox"/> Determine the feasibility and need for the water well for the planned purpose <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Minimum capacity needed from the well <input type="checkbox"/> Location (latitude and longitude) and water well head protection need <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Well driller's log

**ABBREVIATED CONSERVATION PRACTICE
DOCUMENTATION REQUIREMENTS
TENNESSEE**

Specific to Individual CPSs

Practice Name, Code, and Unit(s)	Specific Conservation Planning and Design Documentation (Consider all that are applicable)	Specific Certification Documentation (All items in boxes below must be completed)
Watering Facility (614), no.	<p>Planning</p> <ul style="list-style-type: none"> <input type="checkbox"/> Preliminary investigation to determine number and purpose for watering facility required by Grazing Plan <p>Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Facility material type <input type="checkbox"/> Size of facility required, and ramp protection needed <input type="checkbox"/> Complete Water Facility Fact Sheet TN-ENG-614 or equivalent <input type="checkbox"/> Plans and specifications <ul style="list-style-type: none"> <input type="checkbox"/> Location of watering facility (GPS coordinates), associated pipeline, and water source <input type="checkbox"/> Size, type and number of facilities <input type="checkbox"/> Details of all appurtenances of watering facility including overflow preparations <input type="checkbox"/> Foundation requirements including type and size <input type="checkbox"/> Construction Specifications <input type="checkbox"/> O&M Plan 	<p>Construction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Measurements and location of watering facility (GPS located) <input type="checkbox"/> Materials used <input type="checkbox"/> Dimensions of facility pad and type of material used for the area around facility i.e., corresponding heavy use area & fence location <input type="checkbox"/> Photo Log
Wetland Restoration (657), ac.	<ul style="list-style-type: none"> <input type="checkbox"/> List of wetland functions to be restored <input type="checkbox"/> Type of hydrologic treatments planned <input type="checkbox"/> Completed Wildlife Habitat Appraisal Guide (WHAG) or biologist-written wildlife habitat plan <input type="checkbox"/> Planned plant community restoration including plant species, rates and dates <input type="checkbox"/> Areas targeted for natural regeneration <input type="checkbox"/> Water sources or method of recharge <input type="checkbox"/> Permit needs, if applicable <input type="checkbox"/> O&M Plan 	<ul style="list-style-type: none"> <input type="checkbox"/> Survival checks of plant communities established <input type="checkbox"/> Photographs <input type="checkbox"/> Documentation that permit conditions were met (when permits are required) <input type="checkbox"/> Final inspection of all hydrologic structures
Wetland Wildlife Habitat Management (644), ac.	<ul style="list-style-type: none"> <input type="checkbox"/> Completed Wildlife Habitat Appraisal Guide (WHAG) or biologist-written wildlife habitat plan <input type="checkbox"/> Type and extent of management treatments planned <input type="checkbox"/> List of habitat deficiencies noted and alternatives to address the deficiencies <input type="checkbox"/> Permit needs, if applicable <input type="checkbox"/> Functions to be enhanced <input type="checkbox"/> O&M Plan 	<ul style="list-style-type: none"> <input type="checkbox"/> Documentation that permit conditions were met if applicable