

# **Detailed Implementation Plan Fiscal Year 2022**

July 21, 2021

#### **AGRICULTURE COST SHARE PROGRAM SUMMARY**

The North Carolina Agriculture Cost Share Program (ACSP) was authorized by the General Assembly in 1983 to improve water quality associated with agriculture in three nutrient sensitive watersheds covering 16 counties. In 1990, the program was expanded to include 96 soil and water conservation districts (districts) covering all 100 counties across the state. In FY2022, there are 64 approved best management practices (BMPs) in the ACSP. BMPs include both short-term and long-term practices.

ACSP is administered by the North Carolina Soil and Water Conservation Commission and implemented through local soil and water conservation districts. The commission meets with stakeholders to gather input on ACSP's development and administration through the Technical Review Committee. ACSP currently receives a recurring state appropriation of \$4,016,998 for BMP allocation. A separate recurring appropriation in the amount of \$2,448,778 is used to support technical assistance funding for districts.

#### **FISCAL YEAR 2022 ANNUAL GOALS**

- (1) Allocate funds to soil and water conservation districts for all ACSP BMPs.
  - a. Award funds to all districts requesting an allocation following 02 NCAC 59D .0103.
- (2) Support implementation of a Job Approval Authority process for ACSP BMPs
  - a. Review job approval category requirements to ensure technical competency.
  - b. Maintain the job approval database.
- (3) Conduct training for districts
  - a. Continue to train districts on the program.
  - b. Provide technical training for the required skills to plan and implement approved ACSP BMPs.
  - c. Maintain the ACSP website with all relevant information.

#### **DISTRICT ALLOCATIONS**

- (1) Allocations will be made to all districts requesting funds in their FY2022 Strategy Plan.
- (2) Allocation parameters are described 02 NCAC 59D .0103 Agriculture Cost Share Program Financial Assistance Allocation Guidelines and Procedures (Effective January 1, 2020).

**Table 1.** Allocation parameters

PARAMETER	PERCENT
Percentage of total acres of agricultural land in North Carolina that are in the respective district as reported in the most recent edition of the North Carolina Census of Agriculture.	20%
Percentage of total number of animal units in North Carolina that are in the respective district as reported in the most recent edition of the North Carolina Census of Agriculture and converted to animal units.	20%
Relative rank of the percentage of the county outside of municipal boundaries draining to waters identified as impaired or impacted on the most recent Integrated Report a produced by the North Carolina Division Water Resources.	20%
Relative rank of the percentage of the county draining to waters classified as Primary Nursery Areas, Outstanding Resource Waters, High Quality Waters, Trout Waters on the current schedule of Water Quality Standards and Classifications, Shellfish Harvesting Areas (open) as determined by the Division of Marine Fisheries, and North Carolina Drinking Water Assessment Areas as determined by the Division of Water Resources.	10%
Percentage of program funds allocated to a district that are expended for installed BMPs in the highest three of the most recent seven-year period as reported in the NC Cost Share Contracting System.	20%
Relative rank of the number of acres of highly erodible land in the county as reported by the United States Department of Agriculture Farm Service Agency.	10%

#### **TECHNICAL ASSISTANCE ALLOCATIONS**

- (1) Allocations for technical assistance shall be based on the recommendation of the Division, the funding requested in the district's strategic plan, and the needs to install BMPs in the district.
- (2) Each district shall provide at least 50% matching funds for technical assistance.
- (3) The allocation is made based on the implementation of conservation practices for which district employees provided technical assistance:
  - a. Commission Cost Share Programs funded practices: 100%
  - b. Local, State, Federal and grant funded practices that meet the purpose requirements of Commission Cost Share Programs: 25%
  - c. Allocations are calculated using the highest three of the most recent seven years. This calculation was approved at the February 24, 2021 Commission meeting and is effective this fiscal year.
  - d. Allocations are calculated once every three years, unless there is a change in technical assistance State appropriations.

- (4) Technical assistance funds may be used for any expense of the district in implementing Commission Cost Share Programs.
- (5) The minimum allocation for districts with the required match is \$20,000. The maximum allocation per district is \$30,000.
- (6) If a district is not spending more financial assistance funds on Commission Cost Share Programs than they receive for technical assistance, the district will appeal to the Commission to receive technical assistance funding.
- (7) All technical district employees shall obtain Job Approval Authority for two BMPs from the Commission or United States Department of Agriculture Natural Resources Conservation Service (USDA-NRCS) within three years of being hired or by January 1, 2022, whichever is later.
  - One BMP must be a design practice as described in Commission Program Detailed Implementation Plans, such as this document, or as defined as an engineering practice by USDA-NRCS.
  - b. Boards of Supervisors may request a one-year extension for their employees in meeting this requirement for extenuating circumstances outside the employees' control.

#### **BEST MANAGEMENT PRACTICES ELIGIBLE FOR COST SHARE PAYMENTS**

- (1) The best management practices eligible for cost sharing include the practices listed in Table 2 and any approved District BMPs.
  - District BMPs shall be reviewed by the Division for technical merit in achieving the goals of this program. Upon approval by the Division, the District BMPs will be eligible to receive cost share funding as described in 02 NCAC 59D .0106.
- (2) The minimum life expectancy of the BMPs shall be that listed in Table 2. Practices designated by a District shall meet the life expectancy requirement established by the Division for that District BMP.
- (3) The list of BMPs eligible for cost sharing may be revised by the Soil and Water Conservation Commission as deemed appropriate in order to meet program purpose and goals. Additional practices may be adopted and introduced during the program year.

**Table 2.** Best management practices eligible for cost sharing, the minimum life expectancy of each practice and the practice type.

PRACTICE	MINIMUM LIFE EXPECTANCY (years)	PRACTICE TYPE
Abandoned Tree Removal	10	AGRONOMIC
Abandoned Well Closure	1	DESIGN
Agrichemical Containment and Mixing Facility	10	DESIGN
Agrichemical Handling Facility	10	DESIGN
Agricultural Pond Restoration/Repair	10	DESIGN
Agricultural Road Repair/Stabilization	10	DESIGN
Agricultural Water Collection System	10	DESIGN
All-Season Agricultural Access	10	DESIGN
Backflow Prevention System (Chemigation or Fertigation)	10	DESIGN
Closure of Abandoned Waste Impoundment	10	DESIGN
Concentrated Nutrient Source Management System	10	DESIGN
Conservation Cover	6	AGRONOMIC
Constructed Wetland for Land Application	10	DESIGN
Cover Crops	1	AGRONOMIC
Critical Area Planting	10	AGRONOMIC
Cropland Conversion	10	AGRONOMIC
Diversion	10	DESIGN
Drystack	10	DESIGN
Feeding/Waste Storage Structure	10	DESIGN
Field Border	10	AGRONOMIC
Filter Strip	10	AGRONOMIC
Grade Stabilization Structure	10	DESIGN
Grassed Waterway	10	DESIGN
Heavy Use Area Protection	10	DESIGN
Insect Control System	5	DESIGN
Lagoon Biosolids Removal Practice	1	DESIGN
Land Smoothing	5	DESIGN
Livestock Exclusion Fence	10	AGRONOMIC
Livestock Feeding Area	10	DESIGN
Livestock Mortality Management System - Incinerator	5	DESIGN
Livestock Mortality Management System - Other Systems	10	DESIGN
Manure Composting Facility	10	DESIGN

PRACTICE	MINIMUM LIFE EXPECTANCY (years)	PRACTICE TYPE
Manure/Litter Transportation Incentive	1	DESIGN
Micro-Irrigation System	10	DESIGN
Nutrient Management	3	AGRONOMIC
Odor Management System	1 to 10	AGRONOMIC
Pasture Renovation	10	AGRONOMIC
Pastureland Conversion	10	AGRONOMIC
Portable Agrichemical Mixing Station	5	DESIGN
Precision Agrichemical Application	5	AGRONOMIC
Precision Nutrient Management	3	AGRONOMIC
Prescribed Grazing	3	AGRONOMIC
Residue and Tillage Management	1 to 3	AGRONOMIC
Retrofit of On-going Animal Operations	10	DESIGN
Riparian Buffer	10	AGRONOMIC
Rock-lined Waterway or Outlet	10	DESIGN
Rooftop Runoff Management System	10	DESIGN
Sediment Control Basin	10	DESIGN
Sod-based Rotation	3, 4 or 5	AGRONOMIC
Solids Separation from Tank-Based Aquaculture Production	10	DESIGN
Spring Development	10	DESIGN
Stock Trail and Walkway	10	DESIGN
Storm Water Management System	10	DESIGN
Stream Crossing	10	DESIGN
Stream Protection Well	10	DESIGN
Stream Restoration	10	DESIGN
Streambank and Shoreline Protection	10	DESIGN
Stripcropping	5	AGRONOMIC
Terrace	10	DESIGN
Trough or Tank	10	DESIGN
Waste Application System	10	DESIGN
Waste Storage Pond	10	DESIGN
Waste Treatment Lagoon	10	DESIGN
Water Control Structure	10	DESIGN
Wetlands Restoration System	10	DESIGN

#### **BEST MANAGEMENT PRACTICE DEFINTIONS**

#### Agrichemical Pollution Prevention Practices

- (1) Abandoned tree removal: Remove Christmas and/or apple tree fields for integrated pest management and for reducing sedimentation. An abandoned tree field can be of any size or age trees where standard management practices (e.g., maintaining groundcover, insect and disease control, fertilizer applications and annual shearing practices) for the production of the trees are discontinued or abandoned. The field must have been abandoned for at least 5 years. Abandonment leads to adverse soil erosion formations such as gullies and to production of disease inoculums and increased pest population. Conversion to perennial vegetation on abandoned fields further protects soil loss by preventing runoff on steep slopes due to a better groundcover thereby providing additional water quality protection. Benefits include water quality protection, prevention of soil erosion, and wildlife habitat establishment.
- (2) Agrichemical containment and mixing facility: A system of components that provide containment and a barrier to the movement of agrichemicals. The purpose of the system is to provide secondary containment to prevent degradation of surface water, groundwater, and soil from unintentional release of pesticides or fertilizers.
- (3) **Agrichemical handling facility:** A permanent structure that provides an environmentally safe means of mixing agrichemicals and filling tanks with agrichemicals for application and storage to improve water quality. Benefits may include prevention of accidental degradation of surface and ground water.
- (4) Chemigation or Fertigation backflow prevention: A combination of devices (valves, gauges, injectors, drains, etc.) to safeguard water sources from contamination by fertilizers used during the irrigation of agricultural crops. The practice is intended to modify or improve fertilizer injection systems with components necessary to prevent backflow or siphoning of contaminants into the water supply thereby improving and protecting the state's waters.
- (5) **Precision agrichemical application:** Using a system of components that enable reduction and greater control of fertilizer and pesticide application. This is accomplished through avoidance of excessive overlapping, unnecessary application to end/turn rows, and more precise control of application rates.
- (6) Portable agrichemical mixing station: A portable device to be used in the field to prevent the unintentional release of agrichemicals to the environment during mixing and transferring of agrichemicals. Benefits may include prevention of accidental degradation of surface and ground water.

#### **Erosion and Nutrient Management Practices**

(1) **Conservation cover:** Establish and maintain a conservation cover of grass, legumes, or other approved plantings on fields previously with no groundcover established, to reduce soil erosion and improve water quality. Other benefits may include reduced offsite sedimentation and pollution from dissolved and sediment-attached substances. Eligible land includes that planted to Christmas Trees, orchards, ornamentals, vineyards and other cropland needing protective cover.

- (2) **Cover crop:** A crop of grasses, legumes, small grain or brassicas grown primarily for seasonal vegetative protection, erosion control and soil improvement. Cover crops are typically grown for one year or less. The practice can be implemented to support one or more of the following purposes: reduce erosion from wind and water; reduce water quality degradation by utilizing excessive soil nutrients; improve infiltration of rainfall; maintain or increase soil health and organic matter content; suppress excessive weed pressures and break pest cycles; improve soil moisture use efficiency and/or minimize soil compaction.
- (3) **Critical area planting:** An area of highly erodible land that cannot be stabilized by ordinary conservation treatment on which permanent perennial vegetative cover is established and protected to improve water quality. Benefits may include reduced soil erosion and sedimentation.
- (4) **Cropland conversion:** To establish and maintain a conservation cover of grasses, trees, or wildlife plantings on fields previously used for crop production to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved and sediment-attached substances.
- (5) **Diversion:** A channel constructed across a slope with a supporting ridge on the lower side to control drainage by diverting excess water from an area to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved and sediment-attached substances.
- (6) **Land smoothing:** Reshaping the surface of agricultural land to planned grades for the purpose of improving water quality. Improvements to water quality include reduction in nutrient loss; reduction in concentrated flow of water from an agricultural field and improved infiltration.
- (7) Micro-irrigation: An environmentally safe system for the conveyance and distribution of water, chemicals, and fertilizer to agricultural fields for crop production. A micro-irrigation system is for frequent application of small quantities of water on or below the soil surface as drops, tiny streams, or miniature spray through emitters or applicators placed along a water delivery line. This practice may be applied as part of a conservation management system to support one or more of the following purposes: to efficiently and uniformly apply irrigation water and maintain soil moisture for plant growth; to efficiently and uniformly apply plant nutrients in a manner that protects water quality; to prevent contamination of ground and surface water by efficiently and uniformly applying chemicals and fertilizers and/or to establish desired vegetation.
- (8) **Pasture-land conversion:** Establishing trees or perennial wildlife plantings on excessively eroding land with a visible sediment delivery problem to the waters of the state used for pasture that is too steep to mow or maintain with conventional equipment to improve water quality. Benefits may include reduced soil erosion and sedimentation.
- (9) **Pasture renovation:** Establish and maintain a conservation cover of grass, where existing pasture vegetation is inadequate. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved and sediment-attached substances.
- (10) **Prescribed Grazing:** Managing the intensity, frequency, duration, timing, and number of grazing animals on pastureland in accordance with site production limitations, rate of plant growth, physiological needs of forage plants for production and persistence, and nutritional needs of the

grazing animals. The goal of this practice is to reduce accelerated soil erosion and compaction, to improve or maintain riparian and watershed function, to maintain surface and/or subsurface water quality and quantity, to improve nutrient distribution, and to improve or maintain desired species composition and vigor of plant communities. Productive pastures maintain wildlife habitat and permeable green space.

- (11) **Residue and Tillage management:** Maintaining crop and other plant residue on the soil surface year-round and limiting soil disturbing activities to protect water quality. Residue and tillage management also provides seasonal soil protection from wind and rain erosion, adds organic matter to the soil, conserves soil moisture, and improves infiltration, aeration and tilth. Benefits may include reduction in soil erosion, sedimentation and pollution from sediment-attached substances.
- (12) **Rooftop runoff management:** A system of collection and stabilization practices (dripline stabilization, guttering, collection boxes, etc.) to prevent rainfall runoff from agricultural rooftops from causing erosion where vegetative practices are insufficient to address erosion concerns and protect water quality.
- (13) **Sod-based rotation:** An adapted sequence of crops, grasses and legumes or a mixture thereof established and maintained for a definite number of years as part of a conservation cropping system which is designed to provide adequate organic residue for maintenance or improvement of soil tilth to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved and sediment-attached substances.
- (14) **Stripcropping:** To grow crops and sod in a systematic arrangement of alternating strips or bands on the contour to improve water quality. Benefits may include reduced soil erosion, sedimentation, and pollution from dissolved and sediment-attached substances. The crops are arranged so that a strip of grass or close-growing crop is alternated with a strip of clean-tilled crop, fallow, or no-till crop, or a strip of grass is alternated with a close-growing crop.
- (15) **Terraces:** An earth embankment, a channel, or a combination ridge and channel constructed across the slope to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved and sediment-attached substances.
- (16) **Wetland restoration system:** A system of practices designed to restore the natural hydrology of an area that had been drained and cropped.

#### <u>Sediment and Nutrient Management Practices</u>

- (1) **Abandoned well closure:** The sealing and permanent closure of a supply well no longer in use. This practice serves to prevent entry of contaminated surface water, animals, debris, or other foreign substances into the well. It also serves to eliminate the physical hazards of an open hole to people, animals, and farm machinery.
- (2) **Agricultural pond repair/retrofit:** To restore or repair existing failing agricultural pond systems. Benefits may include erosion control, flood control, and sediment and nutrient reductions from farm fields for better water quality. This practice is only applicable to low hazard classification ponds.

- (3) Agricultural pond sediment removal: Remove sediment from existing agricultural ponds to increase water storage capacity. Benefits may include water supply, erosion control, flood control, and sediment and nutrient reductions from farm fields
- (4) **Agricultural road repair/stabilization:** Repair or stabilization of existing access roads utilized for agricultural operations, including roads to existing crop fields, pastures, and barns.
- (5) Agricultural Water Collection System: Construct an agricultural water collection system for water reuse or irrigation to improve water quality. These systems may include construction of new ponds, utilizing existing ponds, water storage tanks and pumps in order to intercept sediment, nutrients, manage chlorophyll a. These systems may have the added benefit of reducing the demand on the water supply and decreasing withdrawal from aquifers, but these benefits shall not be the justification for this practice.
- (6) All-season Agricultural Access: An accompanying best management practice (BMP) to provide stabilized access to agriculture BMPs to reduce erosion and improve water quality. This accompanying BMP is not intended to be used to construct new roads.
- (7) **Field border:** A strip of perennial vegetation established at the edge of the field that provides a stabilized outlet for row water to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved and sediment-attached substances.
- (8) **Filter strip:** An area of permanent perennial vegetation for removing sediment, organic matter, and other pollutants from runoff and wastewater to improve water quality. Benefits may include reduced soil erosion, sedimentation, pathogen contamination and pollution from dissolved, particulate, and sediment-attached substances.
- (9) **Grade stabilization structure:** A structure (earth embankment, mechanical spillway, detention-type, etc.) used to control the grade and head cutting in natural or artificial channels to improve water quality. Benefits may include reduced soil erosion and sedimentation.
- (10) Grassed waterway: A natural or constructed channel that is shaped or graded to required dimensions and established in suitable vegetation for the stable conveyance of runoff to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved and sediment-attached substances.
- (11) **Nutrient management:** A definitive plan to manage the amount, form, placement, and timing of applications of nutrients to minimize entry of nutrients to surface and groundwater and improve water quality.
- (12) **Precision nutrient management:** Applying nitrogen; phosphorus and lime in a site-specific manner (with specialized application equipment or multiple application events) based on the site-specific recommendations for each GPS-referenced sampling point to minimize entry of nutrients to surface and groundwater and improve water quality.
- (13) **Riparian buffer:** A permanent, long-lived vegetative cover (grass, shrubs, trees, or a combination of vegetation types) established adjacent to and up-gradient from watercourses or water bodies to improve water quality. Benefits may include reduced soil erosion and nutrient delivery,

sedimentation, pathogen contamination and pollution from dissolved, particulate and sedimentattached substances.

- (14) **Rocklined outlet:** A waterway having an erosion-resistant lining of concrete, stone or other permanent material where an unlined or grassed waterway would be inadequate to improve water quality. Benefits may include safe disposal of runoff, reduced erosion and sedimentation.
- (15) **Sediment basin:** A basin constructed to trap and store waterborne sediment where physical conditions or land ownership preclude treatment of a sediment source by the installation of other erosion control measures to improve water quality.
- (16) **Stream restoration:** The use of bioengineering practices, native material revetments, channel stability structures, and/or the restoration or management of riparian corridors in order to protect upland BMPs, restore the natural function of the stream corridor and improve water quality by reducing sedimentation to streams from streambank.
- (17) **Streambank and shoreline protection:** The use of vegetation to stabilize and protect banks of streams, lakes, estuaries, or excavated channels against scour and erosion. This practice should be used to prevent the loss of land or damage to utilities, roads, buildings, or other facilities adjacent to the banks, to maintain the capacity of the channel, to control channel meander that would adversely affect downstream facilities, to reduce sediment load causing downstream damages and pollution, or to improve the stream for recreation or fish and wildlife habitat.
- (18) Water control structure: A permanent structure placed in a farm canal, ditch, or subsurface drainage conduit (drain tile or tube), which provides control of the stage or discharge of surface and/or subsurface drainage. The management mechanism of the structure may be flashboards, gates, valves, risers, or pipes. The primary purpose of the water control structure is to improve water quality by elevating the water table and reducing drainage outflow. A secondary purpose is to restore hydrology in riparian buffers to the extent practical. Elevating the water table promotes denitrification and lower nitrate levels in drainage water from cropping systems and minimizes the effects of short-circuiting of drainage systems passing through riparian buffers. Other benefits may include reduced pollution from other dissolved and sediment-attached substances, reduced downstream sedimentation and reduced stormwater surges of fresh water into estuarine areas. This practice is not intended to be used to control water inflow from tidal influence (i.e., no tide gates).

#### **Stream Protection Management Practices**

- (1) **Heavy use area protection:** An area used frequently and intensively by animals, which must be stabilized by surfacing with suitable materials to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved, particulate, and sedimentattached substances.
- (2) **Livestock exclusion fencing:** A system of permanent fencing (board, barbed, high tensile or electric wire) installed to exclude livestock from streams and critical areas not intended for grazing to improve water quality. Benefits may include reduced soil erosion, sedimentation, pathogen contamination and pollution from dissolved, particulate, and sediment-attached substances.

- (3) Livestock feeding area: A sized concrete pad where feeders are located, surrounded by a heavy use area. The livestock feeding area is designed for the purpose of improving the lifespan of the heavy use area and to reduce the runoff of nutrients and fecal coliform to adjacent water bodies. The practice is to be used to address water quality concerns where livestock feeding areas are in close proximity to streams and where relocation or rotation of feeding areas is infeasible due to physical limitations (e.g., slope) and where other stream protection measures are insufficient to protect water quality.
- (4) **Spring development**: Improving springs and seeps by excavating, cleaning, capping or providing collection and storage facilities.
- (5) **Stocktrails and walkways:** Provide a stable area used frequently and intensively for livestock movement by surfacing with suitable material to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved, particulate, and sedimentattached substances.
- (6) **Stream crossing:** A trail constructed across a stream to allow livestock to cross without disturbing the bottom or causing soil erosion on the banks.
- (7) **Trough or tank:** Devices installed to provide drinking water for livestock at a stabilized location.
- (8) **Stream Protection Well:** Constructing a drilled, driven or dug well to supply water from an underground source.

#### **Waste Management Practices**

- (1) **Closure of waste impoundments:** The safe removal of existing waste and wastewater and the application of this waste on land in an environmentally safe manner. This practice is only applicable to waste storage ponds and lagoons.
- (2) **Concentrated nutrient source management system:** A system of vegetative and structural measures used to manage the collection, storage, and/or treatment of areas where agricultural products may cause an area of concentrated nutrients. Examples could include sweet potato culls and silage leachate.
- (3) **Constructed wetlands:** An artificial wetland area into which liquid animal waste from a waste storage pond or lagoon is dispersed over time to lower the nutrient content of the liquid animal waste.
- (4) **Dry stack:** A fabricated structure for temporary storage of animal waste.
- (5) **Feeding/waste storage structure:** A structure designed for improving the collection/storage of animal waste and to reduce runoff of nutrients and fecal coliform to adjacent water bodies. The practice is intended to be used where livestock feeding areas are in close proximity to streams and where relocation or rotation of feeding areas is infeasible due to physical limitations (e.g., slope) and where other stream protection measures are insufficient to address water quality concerns.

- (6) **Insect control practice:** A practice or combination of practices (planting windbreaks, pre-charging structures, incorporation of waste into soil, etc.) which manages or controls insects from confined animal operations, waste treatment and storage structures, and waste applied to agricultural land.
- (7) **Lagoon biosolids removal:** Removing accumulated biosolids from active lagoons. The biosolids will be properly utilized on farmland or forestland or processed to a value-added product, including energy production, to reduce nutrient impacts from nitrogen-only based planning and impacts of phosphorus accumulation on application land.
- (8) Livestock mortality management system: A facility for managing livestock mortalities such as to minimize water quality impacts or to produce a material that can be recycled as a soil amendment and fertilizer substitute. Cost shareable mortality management system components include: composter, rotary drum composter, forced aeration static pile composter, mortality freezer/refrigeration unit and, mortality incinerator system.
- (9) Manure composting facility: A facility for the biological treatment, stabilization and environmentally safe storage of organic waste material (such as manure from poultry and livestock) to minimize water quality impacts and to produce a material that can be recycled as a soil amendment and fertilizer substitute.
- (10) Manure/litter transportation: Transporting dry litter and dry manure from livestock and poultry farms that lack sufficient land to effectively utilize the animal-derived nutrients. The litter/manure will be properly utilized on alternative land or processed to a value-added product, including energy production, to reduce nutrient impacts.
- (11) Odor control management system: A practice or combination of practices (planting windbreaks, pre-charging structures, incorporation of waste into soil, etc.) which manages or controls odors from confined animal operations, waste treatment and storage structures and waste applied to agricultural land and improves air quality by reducing and intercepting airborne particulate matter, chemical drift and odor.
- (12) **Retrofit of on-going animal operations:** Modification of structures to increase storage or to correct design flaws to meet current standards. This practice may also be used to close waste impoundments on on-going operations, including the safe removal of existing waste and wastewater and the application of this waste on land in an environmentally safe manner.
- (13) Solids separation from tank/raceway-based aquaculture production: A facility for the removal, storage and dewatering of solid waste from the effluent of intensive tank-based aquaculture production systems. The system is used to capture organic solids from the effluent stream of intensive fish production systems that would otherwise flow to effluent ponds for storage and further treatment. This waste comes from uneaten feed and feces generated by fish while being fed within a tank-or raceway-based fish farm.
- (14) **Storm water management system:** A system of collection and diversion practices (guttering, collection boxes, diversions, etc.) to prevent unpolluted storm water from flowing across concentrated waste areas on animal operations.

- (15) Waste Application Systems: An environmentally safe system (such as solid set, dry hydrant, mobile irrigation equipment, etc.) for the conveyance and distribution of animal wastes from waste treatment and storage structures to agricultural fields as part of an irrigation and waste utilization plan.
- (16) Waste treatment lagoon/storage pond: An impoundment made by excavation or earth fill for biological treatment and storage of animal waste.

# ABANDONED TREE REMOVAL

	PRACTICE DESCRIPT	TION				JOB CLASSES					
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V			
327-ATR	Abandoned Tree Removal	Purpose	Туре	All							
			TECHNICAL COM	IPETENCY REQUIREMEN	TS						
	Prerequisites			Practice Knowledge, Skills, Abilities (KSAs)							
1. Employee must	fulfill ALL the Technical Competency Red	quirements listed for	this practice, and	1. Knowledge of NC's	Crops and Cropping S	Systems.					
submit the specific	ed number of plans for review for to rece	eive JAA.		2. Knowledge of Soil Health and Management.							
				3. Ability to use Current Wind and Water Erosion Prediction Tools.							
_	edge of SWCC JAA Policy and Procedures	s, applicable conserva	· · · · · · ·	4. Knowledge of Tilla	= :						
and BMP policies.			5. Knowledge of Wild	dlife Management and	Adaptive Plant Species	•					
3. Capability to complete "The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable											
site assessment fo	•	ar Evaluation Workship	cer or comparable								
			PRA	CTICE PHASES		T					
	INVENTORY AND EVALUATION (I&E)		DESIGN (D)			CONSTRUCTION & CERTIFICATION (C&C)					
•	complete a minimum of two I&E packets	· · · · · · · · · · · · · · · · · · ·	1. Independently complete a minimum of two			Independently complete a minimum of two construction/certification "check-outs" for the desired practice on					
_	ts (PLU) to identify and document resour PA-52 Form (or equivalent) and GIS mapp	=	designs/specifications for the desired practice on separate			separate Planning Land Units (PLU) in accordance with the most					
	or Conservation Desktop) to develop Cons	• ,	Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies.			recent SWCC BMP star		iance with the most			
Arciviap, Toolkit, o	Conservation besitop) to develop con-	servation Fian Maps.	SWCC BIVIF Standard a	na policies.		Tecent Swee bivir star	iluaru ariu policies.				
2. Use the latest N	NRCS-CPA-52 (Sections A thru P) or comp	arable site	2. Independently fulfill/complete the "Design" deliverables in			2. Independently fulfill/complete the "Installation" & "Check Out"					
	o independently recommend and docum		accordance with the m	-		deliverables in accorda					
alternatives/altern	native action(s) needed to meet the clien	t's objective and	Work (SOW), including	O&M guidance, and a	any applicable Job	Statement of Work (SC	OW) or comparable SW	VCC form(s).			
achieve the intend	led purpose to mitigate associated resou	rce concerns for two	Sheet(s), Implementat	ion Requirements, or o	comparable SWCC						
different Planning	Land Units (PLU).		practice specification s	sheet(s).		3. Independently com		=			
	_					certification activities	_				
- I	ppropriate "CONSERVATION PLANNING		I			("Conservation Practic	e Certification Form")	or comparable form.			
	CIAL ENVIRONMENTAL CONCERNS CHECK	•	through P or comparal	ole site assessment for	m.						
1 '	parable form, and ALL applicable resource	·									
•	ediction tools, calculations, surveys, and ment existing resource conditions, resou	=									
	erm effects of proposed alternatives.	rce concerns, and									
	and checks of proposed differnatives.										

# AGRICULTURAL ROAD REPAIR / STABILIZATION

	PRACTICE DESCRIPT	TION				JOB CLASSES					
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V			
560	Agricultural Road Repair / Stabilization	Purpose	Туре	All							
			TECHNICAL COM	IPETENCY REQUIREMEN	TS						
	Prerequisites				Practice	Knowledge, Skills, Abiliti	es (KSAs)				
submit the specifi 2. Working knowledge and BMP policies. 3. Capability to consite assessment for the working knowledge and the second	omplete "The NRCS-CPA-52 Environment	eive JAA. s, applicable conserva al Evaluation Worksho d Limitations Ratings.	tion practice standard, eet" or comparable	<ol> <li>Ability to Assess sit</li> <li>Installation inspect</li> <li>Construction Materia</li> <li>Development of as through 512.52).</li> <li>Certification the in</li> </ol>	te soil conditions and pation of actual material ls, 512.20 through 512 s-built or "red-line" drasstallation meets applies	cation 21 - Excavation a prescribe treatment and s used (NEM Part 512 - 2.23; Subpart D - Quality awings (NEM Part 512, G cable standards and spe ering Services, Subpart A	d the appropriate vege Construction, Subpart y Assurance Activities, ! Construction, Subpart I	C – Evaluation of 512.33). F – As-builts, 512.50 mpliance with			
	PRACTICE PHASES										
	INVENTORY AND EVALUATION (I&E)		1	DESIGN (D)		CONSTR	RUCTION & CERTIFICATIO	N (C&C)			
Planning Land Unithe latest NRCS-ClarcMap, Toolkit, of 2. Use the latest Nassessment form the laternatives/alternatives/alternachieve the intendifferent Planning 3. Complete the acconcerns & Special Section II) or compauch as erosion princeessary to documents.	complete a minimum of two I&E packets its (PLU) to identify and document resour PA-52 Form (or equivalent) and GIS mapper Conservation Desktop) to develop Con NRCS-CPA-52 (Sections A thru P) or compto independently recommend and documentive action(s) needed to meet the clien ded purpose to mitigate associated resour	1. Independently comdesigns/specifications Planning Land Units (PSWCC BMP standard accordance with the mWork (SOW), including Sheet(s), Implementat practice specification of the Ithrough P or compara	plete a minimum of tw for the desired practic LU) in accordance with nd policies. Il/complete the "Desig nost recent eFOTG prac g O&M guidance, and a ion Requirements, or of sheet(s).	e on separate n the most recent n" deliverables in ctice Statement of any applicable Job comparable SWCC	1. Independently commonstruction/certificates separate Planning Landrecent SWCC BMP states. 2. Independently fulfideliverables in accordance Statement of Work (SC). 3. Independently commonstructions.	nplete a minimum of tw tion "check-outs" for th d Units (PLU) in accord	lation" & "Check Out" ent eFOTG practice //CC form(s).				

# ALL-SEASON AGRICULTURAL ACCESS

	PRACTICE DESCRIP	TION		JOB CLASSES							
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V			
561-ASAA	All-Season Agricultural Access	Purpose	Туре	All							
			TECHNICAL COM	PETENCY REQUIREMEN	TS						
	Prerequisites			Practice Knowledge, Skills, Abilities (KSAs)							
1	t fulfill ALL the Technical Competency Re	· ·	this practice, and								
•	ed number of plans for review for to rec			1		prescribe treatment and					
and BMP policies.		es, applicable conserva	tion practice standard,	tice standard, 3. Installation inspection of actual materials used (NEM Part 512 - Construction, Subpart C – E Construction Materials, 512.20 through 512.23; Subpart D - Quality Assurance Activities, 512.3							
1		tal Evaluation Workshe	eet" or comparable	1		awings (NEM Part 512, (					
	<ol> <li>Capability to complete "The NRCS-CPA-52 Environmental Evaluation Workshe site assessment form.</li> </ol>			through 512.52).	bane of rea line ar	awings (ivelvi i are 512, v	construction, suspant	7.5 5411.5, 512.50			
	ledge of Web Soil Survey, Suitabilities an			stallation meets appli	cable standards and spe	ecifications and is in co	mpliance with				
5. Capability to pe	erform layout and construction checking	g following applicable p	procedures and	permits (NEM Part 50	5 – Non-NRCS Engine	ering Services, Subpart A	A - Introduction, 505.3	).			
Notekeeping form	nat contained in Technical Release 62.										
	PRACTICE PHASES										
	INVENTORY AND EVALUATION (I&E)			DESIGN (D)		CONSTRUCTION & CERTIFICATION (C&C)					
1. Independently	complete a minimum of two I&E packet	Independently complete a minimum of two			1. Independently com	plete a minimum of tv	vo				
_	ts (PLU) to identify and document resou	<del>-</del>	designs/specifications for the desired practice on separate			construction/certification "check-outs" for the desired practice on					
	PA-52 Form (or equivalent) and GIS map		Planning Land Units (PLU) in accordance with the most recent			separate Planning Lan		lance with the most			
ArcMap, Toolkit, o	or Conservation Desktop) to develop Cor	nservation Plan Maps.	SWCC BMP standard and policies.			recent SWCC BMP standard and policies.					
2 Use the latest I	NRCS-CPA-52 (Sections A thru P) or comp	narable site	2. Independently fulfill/complete the "Design" deliverables in			2. Independently fulfi	ll/complete the "Instal	lation" & "Check Out"			
	to independently recommend and docur		accordance with the m			deliverables in accord					
	native action(s) needed to meet the clier		Work (SOW), including			Statement of Work (So		· ·			
	ded purpose to mitigate associated reso	urce concerns for two	Sheet(s), Implementat	ion Requirements, or o	comparable SWCC						
different Planning	Land Units (PLU).		practice specification s	sheet(s).		3. Independently com		= '			
						certification activities	<del>-</del>				
_	appropriate "CONSERVATION PLANNING CIAL ENVIRONMENTAL CONCERNS CHEC		I			("Conservation Practic	e Certification Form")	or comparable form.			
	parable form, and ALL applicable resource	•	through P or compara	bie site assessment for	m.						
	rediction tools, calculations, surveys, and										
	ment existing resource conditions, resource	_									
	erm effects of proposed alternatives.	,									

# BASEFLOW INTERCEPTOR (STREAMSIDE PICKUP)

	PRACTICE DESCRIPT	TION				JOB CLASSES					
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V			
574-BI-AW	Baseflow Interceptor (streamside pickup)	Purpose	Туре	All							
			TECHNICAL COM	PETENCY REQUIREMEN	TS						
	Prerequisites				Practic	e Knowledge, Skills, Abiliti	es (KSAs)				
	t fulfill ALL the Technical Competency Re		this practice, and								
	ied number of plans for review for to rece			1 ·		prescribe treatment and					
_	ledge of SWCC JAA Policy and Procedures	s, applicable conserva	tion practice standard,			e utility safety policy (N	EM Part 503-Safety, Su	bpart A - Engineering			
and BMP policies	omplete "The NRCS-CPA-52 Environment	al Evaluation Worksh	eet" or comparable	Activities Affecting Ut	_	awings (NEM Part 512, (	Construction Subpart I	F — Δs-huilts 512 50			
site assessment fo	•	cet of comparable	through 512.52).	bancor rea inie ar	awings (IVEIVIT art 512, V	construction, suspart	A3 Dalles, 312.30				
	ledge of Web Soil Survey, Suitabilities and			stallation meets appli	cable standards and spe	ecifications and is in co	mpliance with				
5. Capability to p	erform layout and construction checking	following applicable p	procedures and			ering Services, Subpart A					
Notekeeping forn	nat contained in Technical Release 62.										
	PRACTICE PHASES										
	INVENTORY AND EVALUATION (I&E)			DESIGN (D)		CONSTRUCTION & CERTIFICATION (C&C)					
1. Independently	complete a minimum of two I&E packets	on separate	1. Independently com	plete a minimum of tv	vo	1. Independently com	plete a minimum of tw	vo			
_	its (PLU) to identify and document resour	=	designs/specifications for the desired practice on separate			construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most					
	PA-52 Form (or equivalent) and GIS mapp	= :	Planning Land Units (PLU) in accordance with the most recent			_ ·		ance with the most			
ArcMap, Toolkit,	or Conservation Desktop) to develop Con	servation Plan Maps.	SWCC BMP standard a	ind policies.		recent SWCC BMP star	ndard and policies.				
2. Use the latest	NRCS-CPA-52 (Sections A thru P) or comp	arable site	2. Independently fulfi	II/complete the "Desig	n" deliverables in	2. Independently fulfi	II/complete the "Instal	lation" & "Check Out"			
	to independently recommend and docun			nost recent eFOTG pra		1	ance with the most rec				
	native action(s) needed to meet the clien		Work (SOW), including	· · · · · · · · · · · · · · · · · · ·		Statement of Work (SC	OW) or comparable SW	/CC form(s).			
	ded purpose to mitigate associated resou	irce concerns for two	Sheet(s), Implementat	ion Requirements, or o	comparable SWCC						
different Planning	g Land Units (PLU).		practice specification	sheet(s).			pile, record, and comp	-			
		CDITEDIA DECOLIDOS		NDCC CDA F3.W/			using the latest NC-CP/				
	appropriate "CONSERVATION PLANNING CIAL ENVIRONMENTAL CONCERNS CHECK		<u> </u>	atest NRCS-CPA-52 Wo ble site assessment for		("Conservation Practic	e Certification Form")	or comparable form.			
	parable form, and ALL applicable resource	•	tillough P of compara	bie site assessifierit for	111.						
· ·	rediction tools, calculations, surveys, and										
- I	ument existing resource conditions, resou	<del>-</del>									
short-term/long t	erm effects of proposed alternatives.										

# **CONSERVATION COVER**

	PRACTICE DESCRIP	TION		JOB CLASSES							
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V			
327	Conservation Cover	Purpose	Туре	All	305 Class II	700 Ciu33 III	700 Class 14	300 Clu35 V			
027				IPETENCY REQUIREMEN	TS						
	Prerequisites			Practice Knowledge, Skills, Abilities (KSAs)							
Employee must fulfi	II ALL the Technical Competency Re		this practice, and	1. Knowledge of NC's			· · · ·				
	umber of plans for review to receive	•	=	2. Knowledge of Soil		•					
				3. Ability to use Curre	ent Wind and Water E	rosion Prediction Tools.					
	of SWCC JAA Policy and Procedure	s, applicable conserva	•	4. Knowledge of Tilla	<b>-</b> ,						
and BMP policies.			5. Knowledge of Wild	llife Management and	Adaptive Plant Species	•					
3. Capability to comple site assessment form.	ete "The NRCS-CPA-52 Environment	al Evaluation Workshe	eet" or comparable								
	PRACTICE PHASES										
	INVENTORY AND EVALUATION (I&E)			DESIGN (D)		CONSTR	UCTION & CERTIFICATION	ON (C&C)			
	olete a minimum of two I&E packet	•	Independently complete a minimum of two			1. Independently com	•				
-	LU) to identify and document resou	_	designs/specifications for the desired practice on separate			construction/certification "check-outs" for the desired practice on					
	2 Form (or equivalent) and GIS map		Planning Land Units (PLU) in accordance with the most recent			separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies.					
Arciviap, Toolkit, or Cor	nservation Desktop) to develop Con	iservation Plan Maps.	SWCC BMP standard a	na policies.		recent SWCC BIMP star	ndard and policies.				
2 Use the latest NRCS	-CPA-52 (Sections A thru P) or comp	narable site	Independently fulfill/complete the "Design" deliverables in			2. Independently fulfi	II/complete the "Instal	llation" & "Check Out"			
	dependently recommend and docur		accordance with the m	-		deliverables in accorda	· ·				
	e action(s) needed to meet the clier		Work (SOW), including	•		Statement of Work (So		· · · · · · · · · · · · · · · · · · ·			
achieve the intended p	urpose to mitigate associated resou	urce concerns for two	Sheet(s), Implementat	ion Requirements, or o	comparable SWCC						
different Planning Land	d Units (PLU).		practice specification s	sheet(s).		3. Independently com	•	=			
						certification activities	•				
CONCERNS & SPECIAL E Section II) or comparab such as erosion predict necessary to document	applete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE RNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, it is or comparable form, and ALL applicable resource assessments tools, it erosion prediction tools, calculations, surveys, and soils investigations ary to document existing resource conditions, resource concerns, and erm/long term effects of proposed alternatives.			atest NRCS-CPA-52 Wo		("Conservation Practic	e Certification Form")	or comparable form.			

# **COVER CROP**

	PRACTICE DESCRIP	PTION				JOB CLASSES					
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V			
340	Cover Crop	Species Planted	Number	All	300 01035 11	300 Glass III	300 01055 11	300 0.000 1			
	·	(Species Mix)	TECHNICAL CON	 //PETENCY REQUIREMEN	<u> </u> тѕ						
	Prerequisites	<u> </u>		Practice Knowledge, Skills, Abilities (KSAs)							
submit the specific 2. Working knowl and BMP policies.	fulfill ALL the Technical Competency Re ed number of plans for review to receive edge of SWCC JAA Policy and Procedure emplete "The NRCS-CPA-52 Environment	tion practice standard,	<ol> <li>Knowledge of NC's Crops and Cropping Systems.</li> <li>Knowledge of Soil Health and Management.</li> <li>Ability to use Current Wind and Water Erosion Prediction Tools.</li> <li>Knowledge of Tillage Systems used in NC.</li> <li>Knowledge of Adaptive Species of Cover Crops for Planned Purposes in NC.</li> <li>Knowledge of Approved Planting Dates, Times and Methods of Termination for Cover Crops.</li> </ol>								
	PRACTICE PHASES										
	INVENTORY AND EVALUATION (I&E)			DESIGN (D)		CONSTRUCTION & CERTIFICATION (C&C)					
1 Independently	• • •	ts on senarate	Independently complete a minimum of two			Independently complete a minimum of two					
the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE			Planning Land Units (F SWCC BMP standard a 2. Independently fulfi accordance with the n Work (SOW), including Sheet(s), Implemental practice specification 3. Completion of the	ill/complete the "Desig nost recent eFOTG pra- g O&M guidance, and a tion Requirements, or o sheet(s).	n" deliverables in ctice Statement of any applicable Job comparable SWCC	construction/certificat separate Planning Lan recent SWCC BMP stat  2. Independently fulfi deliverables in accord Statement of Work (So  3. Independently com certification activities ("Conservation Practic	d Units (PLU) in accord ndard and policies. II/complete the "Instal ance with the most red DW) or comparable SV	llation" & "Check Out" cent eFOTG practice VCC form(s).  Diete practice A-09 Form			

# **CROP RESIDUE MANAGEMENT**

	PRACTICE DESCRIP	TION		JOB CLASSES						
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V		
340-CRM	Crop Residue Management	Species Planted (Species Mix)	Number	All						
			TECHNICAL CON	PETENCY REQUIREMEN	τs					
	Prerequisites				Practice	Knowledge, Skills, Abiliti	ies (KSAs)			
submit the specification.  2. Working knowleand BMP policies.	the the technical Competency Reset number of plans for review to receive ed number of plans for review to receive edge of SWCC JAA Policy and Procedure omplete "The NRCS-CPA-52 Environment rm.	e JAA. es, applicable conserva	tion practice standard,	4. Knowledge of Tilla 5. Knowledge of Adap	Health and Management Wind and Water E ge Systems used in NO ative Species of Cover oved Planting Dates, T e of "Managing Cover	ent. rosion Prediction Tools. : Crops for Planned Purperimes and Methods of T Crops Profitability".	oses in NC.	Crops.		
			PRA	CTICE PHASES						
	INVENTORY AND EVALUATION (I&E)		DESIGN (D)		CONSTRUCTION & CERTIFICATION (C&C)					
Planning Land Unithe latest NRCS-CF ArcMap, Toolkit, of 2. Use the latest Nassessment form the alternatives/alternachieve the intendifferent Planning 3. Complete the acconcerns & Special Section II) or compauch as erosion princeessary to document the latest Nassessment form the lat	complete a minimum of two I&E packet its (PLU) to identify and document resour PA-52 Form (or equivalent) and GIS map or Conservation Desktop) to develop Corner Conservation A thru P) or complete independently recommend and documentive action(s) needed to meet the client ded purpose to mitigate associated resourced Description Conservation Planning CIAL ENVIRONMENTAL CONCERNS CHECT Description tools, calculations, surveys, and ment existing resource conditions, resource reflects of proposed alternatives.	designs/specifications Planning Land Units (P SWCC BMP standard a  2. Independently fulfi accordance with the n Work (SOW), including Sheet(s), Implementat practice specification s	II/complete the "Designost recent eFOTG praces O&M guidance, and a ion Requirements, or casheet(s).	e on separate n the most recent n" deliverables in ctice Statement of any applicable Job comparable SWCC	construction/certificate separate Planning Lan recent SWCC BMP sta  2. Independently fulfit deliverables in accord Statement of Work (Statement of Work (Statement))  3. Independently correctification activities	nplete a minimum of twition "check-outs" for the d Units (PLU) in according and policies.  Ill/complete the "Instaliance with the most recown) or comparable SW npile, record, and compusing the latest NC-CP/ce Certification Form")	ne desired practice on lance with the most lation" & "Check Out" ent eFOTG practice //CC form(s).			

# **CROPLAND CONVERSION**

	PRACTICE DESCRIP	TION				JOB CLASSES					
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V			
512	Cropland Conversion	Forage species, class or mix	Туре	All							
			TECHNICAL COM	IPETENCY REQUIREMEN	TS						
	Prerequisites				Practice	Knowledge, Skills, Abiliti	es (KSAs)				
submit the specific 2. Working knowl and BMP policies.	the fulfill ALL the Technical Competency Reset number of plans for review to receive edge of SWCC JAA Policy and Procedure omplete "The NRCS-CPA-52 Environment rm.	s, applicable conserva	tion practice standard,	2. Skill in planning the	e planting protocols ar	the ecological sites/fora					
	PRACTICE PHASES										
	INVENTORY AND EVALUATION (18.6)					CONSTRUCTION & CERTIFICATION (C&C)					
1 Independently		s on senarate	DESIGN (D)  1. Independently complete a minimum of two			Independently complete a minimum of two					
the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE			designs/specifications Planning Land Units (P SWCC BMP standard a  2. Independently fulfi accordance with the m Work (SOW), including Sheet(s), Implementat practice specification s  3. Completion of the I through P or compara	LU) in accordance with nd policies.  Il/complete the "Designost recent eFOTG pract go&M guidance, and a ion Requirements, or catheet(s).	n' deliverables in ctice Statement of any applicable Job comparable SWCC	construction/certificat separate Planning Lan recent SWCC BMP start.  2. Independently fulfit deliverables in accordance Statement of Work (SG).  3. Independently componentification activities ("Conservation Practical Conservation Practical Conservatio	d Units (PLU) in accord ndard and policies.  Il/complete the "Instal ance with the most recown or comparable SW apile, record, and comp	lation" & "Check Out" tent eFOTG practice //CC form(s).			

# **DIVERSION**

	PRACTICE DESCRI	PTION				JOB CLASSES					
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V			
362	Diversion	Purpose	Туре	All							
			TECHNICAL COM	MPETENCY REQUIREMEN	ITS						
	Prerequisite	es		Practice Knowledge, Skills, Abilities (KSAs)							
<ol> <li>Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review for to receive JAA.</li> <li>Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standa and BMP policies.</li> <li>Capability to complete "The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.</li> <li>Working knowledge of Web Soil Survey, Suitabilities and Limitations Ratings.</li> <li>Capability to perform layout and construction checking following applicable procedures and Notekeeping format contained in Technical Release 62.</li> </ol>				<ol> <li>Ability to Assess site</li> <li>Development of relahydrology/hydraulics, v</li> <li>Compliance with NR Affecting Utilities 503.0</li> <li>Development of as-t 512.52).</li> <li>Certification the inst</li> </ol>	soil conditions and presented computations and a regetation, environmenta CS national and state ution through 503.06). puilt or "red-line" drawing the conditions are seen as a seen a seen and the conditions are seen as a seen as a seen are seen are seen as a s	on 21 - Excavation and 23 - cribe treatment and the appenalyses to develop plans and considerations, and outle lity safety policy (NEM Partogs (NEM Part 512, Constructed Standards and specification A - Introduction, 505.3).	propriate vegetation.  Id specifications including It capacity and stability. It 503-Safety, Subpart A - It ction, Subpart F – As-buil	Engineering Activities			
	PRACTICE PHASES										
	INIVENTADY AND EVALUATION /10 F		PRA			CONSTR	LICTION & CERTIFICATIO	N (C&C)			
Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE"  designs/specif Planning Land SWCC BMP states accordance we accordance we alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE"				ill/complete the "Designost recent eFOTG prage O&M guidance, and tion Requirements, or sheet(s).	ce on separate h the most recent  gn" deliverables in actice Statement of any applicable Job comparable SWCC		d Units (PLU) in according and policies.  Il/complete the "Instal ance with the most recow) or comparable SW  pile, record, and compusing the latest NC-CP.	ne desired practice on lance with the most llation" & "Check Out" tent eFOTG practice VCC form(s).			

# FIELD BORDER

	PRACTICE DESCRIP	TION				JOB CLASSES		
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V
386	Field Border	Purpose	Туре	All				
			TECHNICAL CON	PETENCY REQUIREMEN	TS			
	Prerequisites				Practic	e Knowledge, Skills, Abiliti	es (KSAs)	
	Ifill ALL the Technical Competency Re		this practice, and	1. Knowledge of Vege				
submit the specified i	number of plans for review to receive	e JAA.		1		and Apply Field Borders.		
and BMP policies.	ge of SWCC JAA Policy and Procedure plete "The NRCS-CPA-52 Environment		·	3. Knowledge of Spec	ies and Vegetation M	anagement for Wildlife 8	& Pollinators.	
site assessment form		tai Evaluation Worksing	set of comparable					
			DD 4	ACTICE DUACEC				
	INVENTORY AND EVALUATION (I&E)			DESIGN (D)		CONSTR	UCTION & CERTIFICATIO	N (C&C)
1 Independently con	mplete a minimum of two I&E packet	s on senarate	1 Independently com	• • •	WO.	1. Independently com		• •
· · ·	PLU) to identify and document resou	•	1				certification "check-outs" for the desired practice on	
	•	=	Planning Land Units (PLU) in accordance with the most recent			separate Planning Land Units (PLU) in accordance with the most		
			SWCC BMP standard and policies. recent SWCC BMP standard and policies					
2. Use the latest NRC assessment form to it alternatives/alternati achieve the intended different Planning Lat.  3. Complete the appr CONCERNS & SPECIAL Section II) or comparasuch as erosion predinecessary to docume	the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.			III/complete the "Desig nost recent eFOTG pra- g O&M guidance, and a tion Requirements, or o sheet(s).	ctice Statement of any applicable Job comparable SWCC orksheet, Sections A	<ol> <li>Independently fulfideliverables in accordance</li> <li>Statement of Work (SO</li> <li>Independently componentification activities</li> </ol>	II/complete the "Instal ance with the most red DW) or comparable SW apile, record, and comp	ent eFOTG practice /CC form(s). plete practice A-09 Form

# FILTER STRIP

	PRACTICE DESCRIP	PTION				JOB CLASSES		
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V
393	Filter Strip	Area	Acres	All				
			TECHNICAL COM	PETENCY REQUIREMENT	ΓS			
	Prerequisites				Practice	e Knowledge, Skills, Abiliti	ies (KSAs)	
	fulfill ALL the Technical Competency Re		this practice, and	1. Knowledge of Vege				
· ·	ed number of plans for review to receive			2. Ability to Assess Sit				
	edge of SWCC JAA Policy and Procedure	es, applicable conserva	tion practice standard,	l .				
and BMP policies.	malete "The NDCC CDA F2 Favirenmen	tal Evaluation Marksh	at" ar comparable	_	_	to Attain the Purpose(s)	) of the Filter Strips.	
site assessment for	mplete "The NRCS-CPA-52 Environmen	tal Evaluation Workshi	eet or comparable	5. Ability to Layout a F	-liter Strip to Meet its	intended Purpose(s).		
	dge using the Excel Filter Strip Lifespan	Design Spreadsheet.						
<u> </u>	dge of the application of Agronomy Tec	= ·	g RUSLE2 for the					
<u> </u>	ed Effectiveness of Vegetative Filter Str							
			PRA	CTICE PHASES		T		()
4 1 1 1 1	INVENTORY AND EVALUATION (I&E)			DESIGN (D)			RUCTION & CERTIFICATIO	
1 '	complete a minimum of two I&E packet is (PLU) to identify and document resou	•	1	dently complete a minimum of two  1. Independently complete a minimum of two construction/certification "check-outs" for the				
_	A-52 Form (or equivalent) and GIS map		Planning Land Units (P				nd Units (PLU) in accord	· · · · · · · · · · · · · · · · · · ·
	r Conservation Desktop) to develop Cor	• = •	SWCC BMP standard a	•	the most recent	recent SWCC BMP sta		ance with the most
, a civiap, reenar, es	eonservation besittop, to develop eo.	nservation rian maps.	Svee Bivii Standard a					
2. Use the latest N	RCS-CPA-52 (Sections A thru P) or com	parable site	2. Independently fulfil	II/complete the "Design	n" deliverables in	2. Independently fulfi	ill/complete the "Instal	lation" & "Check Out"
assessment form to	o independently recommend and docu	ment resource	accordance with the m	nost recent eFOTG prac	ctice Statement of	deliverables in accord	ance with the most rec	ent eFOTG practice
alternatives/altern	ative action(s) needed to meet the clien	nt's objective and	Work (SOW), including	g O&M guidance, and a	ny applicable Job	Statement of Work (Se	OW) or comparable SW	/CC form(s).
	ed purpose to mitigate associated reso	urce concerns for two	1 ' ' '		comparable SWCC			
different Planning	Land Units (PLU).		practice specification s	sheet(s).		1	npile, record, and comp	-
							using the latest NC-CPA	
· · · · · · · · · · · · · · · · · · ·	ppropriate "CONSERVATION PLANNING		<u>-</u>			("Conservation Praction	ce Certification Form")	or comparable form.
	IAL ENVIRONMENTAL CONCERNS CHEC arable form, and ALL applicable resour	,	through P or comparal	bie site assessment for	m.	4 Plan specification m	nust include use of the	Evcal Eiltar Strin
	ediction tools, calculations, surveys, and		4. Plan specification m	ust include use of the	Excel Filter Strin	Lifespan Design Sprea		LACEITHEI Strip
- I	ment existing resource conditions, reso	_	Lifespan Design Spread		excertification of the	Elicopuli Beoign opied	donce.	
•	rm effects of proposed alternatives.	,						
L						1		

# **HEAVY USE AREA PROTECTION**

	PRACTICE DESCRIPT	TION				JOB CLASSES		
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V
561	Heavy Use Area Protection	Purpose	Туре	All				
			TECHNICAL CON	PETENCY REQUIREMEN	TS			
	Prerequisites				Practic	e Knowledge, Skills, Abiliti	es (KSAs)	
	fulfill ALL the Technical Competency Re		this practice, and	1	•	n 21 - Excavation and 23 -		
	ed number of plans for review for to rece			· ·		cribe treatment and the ap ons and analyses to develor		including but not
	edge of SWCC JAA Policy and Procedures	s, applicable conserva	tion practice standard,	1	•	d site-specific drawing(s) a		_
and BMP policies.	mandate "The NIDGE CDA F2 Facility and and	al Frankration Manufalo		1	•	ng_Site_Assessment_Tool_		
site assessment for	mplete "The NRCS-CPA-52 Environment	al Evaluation Workshi	eet or comparable	· ·		ity safety policy (NEM Part	t 503-Safety, Subpart A - I	Engineering Activities
	edge of Web Soil Survey, Suitabilities and	d Limitations Ratings		Affecting Utilities 503.00	•			
_	erform layout and construction checking	<del>-</del>	procedures and	5. Development of as-b 512.52).	uilt or "red-line" drawin	gs (NEM Part 512, Constru	ction, Subpart F – As-buil	ts, 512.50 through
1	at contained in Technical Release 62.	0.11		1	allation meets applicable	e standards and specification	ons and is in compliance v	with permits (NEM Part
				505 – Non-NRCS Engine				(
	INIVENTORY AND EVALUATION (19 E)		PRA	ACTICE PHASES		CONSTR	ULCTION & CERTIFICATIO	N (C9 C)
1 Indopondently	INVENTORY AND EVALUATION (I&E) complete a minimum of two I&E packets	s on congrato	1 Indopondently com	DESIGN (D)	uo.		CUCTION & CERTIFICATIO	
1	ts (PLU) to identify and document resour	•	1	<ul> <li>Independently complete a minimum of two</li> <li>Independently complete a minimum of two</li> <li>esigns/specifications for the desired practice on separate</li> <li>Independently complete a minimum of two</li> <li>construction/certification "check-outs" for the construction</li> </ul>				
_	PA-52 Form (or equivalent) and GIS mapp	<del>-</del>	Planning Land Units (PLU) in accordance with the most recent separate Planning Land Units (PLU) in accordance				•	
	r Conservation Desktop) to develop Con		SWCC BMP standard a	•		recent SWCC BMP standard and policies.		
	IRCS-CPA-52 (Sections A thru P) or comp		2. Independently fulfill/complete the "Design" deliverables in  2. Independently fulfill/complete the "Installation"					
	o independently recommend and docun			nost recent eFOTG prac		deliverables in accorda		
	native action(s) needed to meet the clien	= '		g O&M guidance, and a		Statement of Work (SC	OW) or comparable SW	/CC form(s).
	ed purpose to mitigate associated resou	arce concerns for two	1 ' ' '	tion Requirements, or o	comparable SWCC	2. In domain double, com		laka muaatisa
different Planning	Land Onits (PLO).		practice specification	sneet(s).		3. Independently comcertification activities		
3 Complete the a	ppropriate "CONSERVATION PLANNING	CRITERIA RESOLIRCE	3 Completion of the	latest NRCS-CPA-52 W/	orksheet Sections A		ce Certification Form")	
_   _ ·	CIAL ENVIRONMENTAL CONCERNS CHECK		I	ble site assessment for		Conservation ractio	ce certification roini j	or comparable form.
	parable form, and ALL applicable resource	•						
	ediction tools, calculations, surveys, and							
· ·	ment existing resource conditions, resou	<del>-</del>						
short-term/long te	erm effects of proposed alternatives.							
	, ,							

# LIVESTOCK EXCLUSION FENCE

	PRACTICE DESCRIP	TION				JOB CLASSES			
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V	
382	Livestock Exclusion Fence	Fence type and land slope	Type, %	All					
			TECHNICAL CON	PETENCY REQUIREMEN	TS				
	Prerequisites				Practice	Knowledge, Skills, Abiliti	ies (KSAs)		
submit the specific 2. Working knowleand BMP policies. 3. Working knowle	the fulfill ALL the Technical Competency Reset number of plans for review to receive edge of SWCC JAA Policy and Procedure edge using the NC NRCS Fence Job Sheet amplete "The NRCS-CPA-52 Environment rm.	e JAA. es, applicable conserva t Application.	tion practice standard,	_	ife relationships with	grazing lands of the loc fence in the locale.	ale.		
			PRA	CTICE PHASES					
	INVENTORY AND EVALUATION (I&E)			DESIGN (D)		CONSTR	RUCTION & CERTIFICATION	ON (C&C)	
1. Independently	I. Independently complete a minimum of two I&E packets on separate			Independently complete a minimum of two			Independently complete a minimum of two		
	ts (PLU) to identify and document resou		designs/specifications for the desired practice on separate			construction/certification "check-outs" for the desired practice on			
the latest NRCS-CF	PA-52 Form (or equivalent) and GIS map or Conservation Desktop) to develop Cor	ping tools (i.e.	Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies.  separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies.				lance with the most		
assessment form talternatives/alternatives/alternatives/alternachieve the intendifferent Planning  3. Complete the a CONCERNS & SPECS Section II) or compauch as erosion princeessary to docu	NRCS-CPA-52 (Sections A thru P) or complete independently recommend and documentive action(s) needed to meet the clientled purpose to mitigate associated resolution and Units (PLU).  Suppropriate "CONSERVATION PLANNING CIAL ENVIRONMENTAL CONCERNS CHECT parable form, and ALL applicable resourcediction tools, calculations, surveys, and ment existing resource conditions, resolutions of proposed alternatives.	ment resource nt's objective and urce concerns for two  CRITERIA, RESOURCE KLIST (see EFOTG, ce assessments tools, d soils investigations	2. Independently fulfi accordance with the m Work (SOW), including Sheet(s), Implementat practice specifications 3. Completion of the I through P or compara	nost recent eFOTG praces O&M guidance, and a ion Requirements, or other controls of the control of the controls of the controls of the controls of the control of the contro	ctice Statement of any applicable Job comparable SWCC orksheet, Sections A	deliverables in accord Statement of Work (So 3. Independently com certification activities	ill/complete the "Instal ance with the most recow) or comparable SW spile, record, and compusing the latest NC-CP ce Certification Form")	cent eFOTG practice VCC form(s). Diete practice A-09 Form	

# LONG TERM NO-TILL

	PRACTICE DESCRI	PTION				JOB CLASSES		
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V
329	Long Term No-Till	Crop, Production Method	Туре	All	700 0000	000 0000 00	100000000000000000000000000000000000000	000 0.000 1
			TECHNICAL CON	PETENCY REQUIREMEN	TS			•
	Prerequisite	es			Practic	e Knowledge, Skills, Abilit	ies (KSAs)	
submit the specification.  2. Working knowleand BMP policies.	omplete "The NRCS-CPA-52 Environme	ve JAA. es, applicable conserva	tion practice standard,	<ol> <li>Knowledge of NC's Crops and Cropping Systems.</li> <li>Knowledge of Soil Health and Management.</li> <li>Ability to use Current Wind and Water Erosion Prediction Tools.</li> <li>Knowledge of Tillage Systems used in NC.</li> <li>Knowledge of No till Planters and Drills.</li> <li>Knowledge of Crop Residue Management.</li> <li>Knowledge of Soils and Soil Management for No Till.</li> </ol>				
			PR/	ACTICE PHASES				
	INVENTORY AND EVALUATION (I&E)			DESIGN (D)		CONSTR	RUCTION & CERTIFICATION	ON (C&C)
Planning Land Unithe latest NRCS-CI ArcMap, Toolkit, of 2. Use the latest Nassessment form the laternatives/alternatives/alternatives the intendifferent Planning 3. Complete the a CONCERNS & SPECS Section II) or compacts as erosion princeessary to document of the laternative states of the laternative st	complete a minimum of two I&E packer (Its (PLU) to identify and document resord PA-52 Form (or equivalent) and GIS mater Conservation Desktop) to develop Conservation (Italian Proposed The Conservation (Italian Propose The Conservation Proposed The Conservation Planning Cial Environmental Conservation (Italian Planning Pla	purce concerns using pping tools (i.e. onservation Plan Maps. onservation Plan Maps. onservation Plan Maps. on parable site ument resource ent's objective and ource concerns for two G CRITERIA, RESOURCE CKLIST (see EFOTG, rce assessments tools, and soils investigations	designs/specifications Planning Land Units (F SWCC BMP standard a 2. Independently fulfi accordance with the n Work (SOW), including Sheet(s), Implementat practice specification	and policies.  ill/complete the "Designost recent eFOTG prage O&M guidance, and attion Requirements, or esheet(s).	ce on separate th the most recent gn" deliverables in ctice Statement of any applicable Job comparable SWCC	construction/certificationseparate Planning Lan recent SWCC BMP sta  2. Independently fulfideliverables in accord Statement of Work (Statement of Work (Statement))  3. Independently concertification activities	d Units (PLU) in accord ndard and policies. Ill/complete the "Insta ance with the most red OW) or comparable SV	he desired practice on dance with the most llation" & "Check Out" cent eFOTG practice VCC form(s).  plete practice A-09 Form

# **NUTRIENT MANAGEMENT**

	PRACTICE DESCRIPT	TION				JOB CLASSES		
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V
590-NM	Nutrient Management	Nutrient source, application method and/or special condition	Туре	All				
			TECHNICAL CON	IPETENCY REQUIREMEN	TS			
	Prerequisites				Practice	Knowledge, Skills, Abilit	ies (KSAs)	
submit the specific 2. Working knowl and BMP policies. 3. Working knowl 4. Capability to cosite assessment fo 5. NCSU Nutrient nutrient managem conclusion of the Conclusion o	edge in the analysis and interpretation of implete "The NRCS-CPA-52 Environment rm.  Management in NC Course which include the series are the course work; and (3) a passicourse; Working knowledge in the Agricu	tion practice standard, analysis results. eet" or comparable equisite; (2) 5-days of given at the ment Field Handbook	web-based NC Nutrient Management Software.					
			PRA	ACTICE PHASES				
	INVENTORY AND EVALUATION (I&E)			DESIGN (D)			RUCTION & CERTIFICATIO	
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).				for the desired practic PLU) in accordance with and policies.  Il/complete two Nutrie ith the most recent SW lude use of PLAT, erosi I latest NC CNMP check	ent Management VCC BMP standard. ion prediction result klist.)	1. Independently conconstruction/certifica Management Plans or accordance with the rpolicies.  2. Independently fulf deliverables in accord Statement of Work (S  3. Independently concertification activities ("Conservation Practical Conservation Practi	in separate Planning Lan most recent SWCC BMF ill/complete the "Insta ance with the most rec OW) or comparable SV inpile, record, and comp using the latest NC-CP	wo applied Nutrient and Units (PLU) in P standard and Elation" & "Check Out" cent eFOTG practice VCC form(s).  Delete practice A-09 Form

# **NUTRIENT SCAVENGER COVER CROP**

	PRACTICE DESCRIP	TION				JOB CLASSES		
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V
340-NSCC	Nutrient Scavenger Cover Crop	Species Planted (Species Mix)	Number	All				
			TECHNICAL CON	PETENCY REQUIREMEN	TS			
	Prerequisites				Practic	e Knowledge, Skills, Abilit	ies (KSAs)	
submit the specifi  2. Working know and BMP policies.	omplete "The NRCS-CPA-52 Environment	e JAA. es, applicable conserva	tion practice standard,	<ol> <li>Knowledge of NC's Crops and Cropping Systems.</li> <li>Knowledge of Soil Health and Management.</li> <li>Ability to use Current Wind and Water Erosion Prediction Tools.</li> <li>Knowledge of Tillage Systems used in NC.</li> <li>Knowledge of Adaptive Species of Cover Crops for Planned Purposes in NC.</li> <li>Knowledge of Approved Planting Dates, Times and Methods of Termination for Cover Crops.</li> <li>Working knowledge of "Managing Cover Crops Profitability".</li> <li>Ability to select species based on the client objectives.</li> </ol>				Crops.
			PRA	L ACTICE PHASES				
	INVENTORY AND EVALUATION (I&E)		DESIGN (D)		CONSTR	RUCTION & CERTIFICATION	ION (C&C)	
Planning Land Unithe latest NRCS-CArcMap, Toolkit, of 2. Use the latest lassessment form alternatives/alternatives/alternatives the intendifferent Planning 3. Complete the a CONCERNS & SPESection II) or comsuch as erosion princeessary to document of the latest last last last last last last last la	complete a minimum of two I&E packet its (PLU) to identify and document resout PA-52 Form (or equivalent) and GIS map or Conservation Desktop) to develop Corner Conservation and documentive action(s) needed to meet the clied ded purpose to mitigate associated resour Land Units (PLU).  Suppropriate "CONSERVATION PLANNING CIAL ENVIRONMENTAL CONCERNS CHECT CHECT CONCERNS	ping tools (i.e. nservation Plan Maps. nservation Plan Maps. parable site ment resource nt's objective and urce concerns for two CRITERIA, RESOURCE KLIST (see EFOTG, ce assessments tools, d soils investigations	designs/specifications Planning Land Units (P SWCC BMP standard a  2. Independently fulfi accordance with the n Work (SOW), including Sheet(s), Implementat practice specification	II/complete the "Designost recent eFOTG prag O&M guidance, and action Requirements, or a sheet(s).	te on separate in the most recent in deliverables in ctice Statement of any applicable Job comparable SWCC	construction/certifical separate Planning Lan recent SWCC BMP sta  2. Independently fulfideliverables in accord Statement of Work (Statement of Work (Statement) activities	ill/complete the "Insta	he desired practice on dance with the most llation" & "Check Out" cent eFOTG practice VCC form(s).  plete practice A-09 Form

# **ODOR MANAGEMENT SYSTEM**

	PRACTICE DESCRII	PTION				JOB CLASSES			
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V	
380	Odor Management System	Purpose(s)	Туре	All					
			TECHNICAL COM	PETENCY REQUIREMEN	ITS				
	Prerequisites	S			Practice	e Knowledge, Skills, Abiliti	es (KSAs)		
1	fulfill ALL the Technical Competency R	•	this practice, and	1. Knowledge of windbreak/shelterbelt design and function, including snow management if applicable.					
	ed number of plans for review to receiv		<ul><li>2. Knowledge of forest ecology and management for the local area.</li><li>tion practice standard, 3. Knowledge of crops protected by windbreaks and shelterbelts.</li></ul>						
and BMP policies.	edge of SWCC JAA Policy and Procedure	es, applicable conserva	tion practice standard,		is protected by windbr its of tree species to be				
•	mplete "The NRCS-CPA-52 Environmen	ital Evaluation Worksh	eet" or comparable	4. Knowledge of silvid	is of thee species to be	establistieu.			
site assessment fo	•	itai Evaluation Worksin	ecc or comparable						
4. When applicable	e, appropriate JAA for supporting pract	ices (i.e. Tree/Shrub Sit	e Preparation (PC490)						
and Tree/Shrub Es	tablishment (PC612)).								
			PRA	LACTICE PHASES					
	INVENTORY AND EVALUATION (I&E)			DESIGN (D)		CONSTR	RUCTION & CERTIFICATIO	ON (C&C)	
1. Independently	. Independently complete a minimum of two I&E packets on separate			plete a minimum of to	WO	1. Independently com	plete a minimum of tv	vo	
_	ts (PLU) to identify and document reso	_	designs/specifications for the desired practice on separate			construction/certificat		· · · · · · · · · · · · · · · · · · ·	
	A-52 Form (or equivalent) and GIS map	· - ·	Planning Land Units (PLU) in accordance with the most recent separate Planning Land Units (PLU) in accordance			lance with the most			
ArcMap, Toolkit, o	r Conservation Desktop) to develop Co	nservation Plan Maps.	SWCC BMP standard a	AP standard and policies. recent SWCC BMP standard and policies.					
2 Use the latest N	IRCS-CPA-52 (Sections A thru P) or com	marahla sita	2 Independently fulfi	Independently fulfill/complete the "Design" deliverables in 2. Independently fulfill/complete the "Installation" &					
	o independently recommend and docu		accordance with the m	-		deliverables in accorda			
	native action(s) needed to meet the clie		Work (SOW), including	· · · · · · · · · · · · · · · · · · ·		Statement of Work (SC		=	
	ed purpose to mitigate associated resc	=	Sheet(s), Implementat	-		,	, ,	.,	
different Planning	Land Units (PLU).		practice specification s	sheet(s).		3. Independently com	pile, record, and comp	olete practice	
						certification activities	•		
- I	ppropriate "CONSERVATION PLANNING					("Conservation Practic	ce Certification Form")	or comparable form.	
	CIAL ENVIRONMENTAL CONCERNS CHEC	•	through P or compara	ble site assessment fo	rm.				
	parable form, and ALL applicable resour ediction tools, calculations, surveys, an	•							
	ment existing resource conditions, reso	_							
- I	erm effects of proposed alternatives.	rarec concerns, and							
, , ,									

# **PASTURE RENOVATION**

	PRACTICE DESCRIP	TION				JOB CLASSES		
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V
512-PR	Pasture Renovation	Forage species, class or mix	Туре	All				
			TECHNICAL COM	PETENCY REQUIREMEN	TS			
	Prerequisites				Practice	Knowledge, Skills, Abilit	ies (KSAs)	
submit the specific 2. Working knowl and BMP policies.	fulfill ALL the Technical Competency Reed number of plans for review to receive edge of SWCC JAA Policy and Procedure omplete "The NRCS-CPA-52 Environment rm.	e JAA. s, applicable conserva	tion practice standard,	2. Skill in planning the	e planting protocols ar	the ecological sites/fora		
	INVENTORY AND EVALUATION (I&E)		DESIGN (D)			RUCTION & CERTIFICATIO	• •	
Planning Land Unithe latest NRCS-CF ArcMap, Toolkit, of 2. Use the latest Nassessment form the alternatives/alternatives/alternatives the intendifferent Planning 3. Complete the a CONCERNS & SPECS Section II) or company such as erosion princeessary to docu	complete a minimum of two I&E packet ts (PLU) to identify and document resound PA-52 Form (or equivalent) and GIS map or Conservation Desktop) to develop Conservation (S) needed to meet the client ded purpose to mitigate associated resonant Units (PLU).  **Parameter Conservation Planning CIAL Environmental Concerns Check Described form, and ALL applicable resource ediction tools, calculations, surveys, and ment existing resource conditions, resource effects of proposed alternatives.	1. Independently com designs/specifications Planning Land Units (P SWCC BMP standard a 2. Independently fulfi accordance with the m Work (SOW), including Sheet(s), Implementat practice specification s 3. Completion of the I through P or compara	for the desired practice (LU) in accordance with and policies.  Il/complete the "Designost recent eFOTG practice (B) (D) (D) (D) (D) (D) (D) (D) (D) (D) (D	te on separate in the most recent in deliverables in ctice Statement of any applicable Job comparable SWCC	construction/certifica separate Planning Lar recent SWCC BMP sta 2. Independently fulf deliverables in accord Statement of Work (S 3. Independently con certification activities	nplete a minimum of to tion "check-outs" for the d Units (PLU) in accord ndard and policies. ill/complete the "Insta- lance with the most red OW) or comparable SV npile, record, and compusing the latest NC-CP ce Certification Form")	the desired practice on dance with the most dance danc	

# PASTURELAND CONVERSION

	PRACTICE DESCRIP	TION				JOB CLASSES			
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V	
612	Pastureland Conversion	Site Sensitivity-Soil suitability rating for potential seedling mortality	WSS Rating	All					
			TECHNICAL CON	PETENCY REQUIREMEN	тs	•			
	Prerequisites				Practice	Knowledge, Skills, Abiliti	es (KSAs)		
submit the specific 2. Working knowl and BMP policies.	omplete "The NRCS-CPA-52 Environment	s, applicable conserva	tion practice standard,	<ol> <li>Knowledge of silvics of tree species to be established.</li> <li>Knowledge of soil health and management.</li> <li>Knowledge of resource impacts including water quality, wildlife effects, soil limitations         <ol> <li>potential seedling mortality rating, and harvest equipment operability ratings), fuel volatility, etc.</li> </ol> </li> <li>Working knowledge of Forestry BMPs.</li> </ol>					
			PRA	ACTICE PHASES					
	INVENTORY AND EVALUATION (I&E)			DESIGN (D)		CONSTR	RUCTION & CERTIFICATION	N (C&C)	
Planning Land Unithe latest NRCS-CF ArcMap, Toolkit, of 2. Use the latest Nassessment form the alternatives/alternatives/alternatives the intendifferent Planning 3. Complete the acconcerns & Special Section II) or compact as erosion princeessary to document the latest NRCS according to the latest NRCS acc	complete a minimum of two I&E packets (PLU) to identify and document resout PA-52 Form (or equivalent) and GIS mapper Conservation Desktop) to develop Conservation A thru P) or complete independently recommend and documentive action(s) needed to meet the client ded purpose to mitigate associated resourced Land Units (PLU).  Appropriate "CONSERVATION PLANNING CIAL ENVIRONMENTAL CONCERNS CHECK parable form, and ALL applicable resourced diction tools, calculations, surveys, and ment existing resource conditions, resourcement effects of proposed alternatives.	designs/specifications Planning Land Units (P SWCC BMP standard a  2. Independently fulfi accordance with the n Work (SOW), including Sheet(s), Implementat practice specification s	II/complete the "Designost recent eFOTG praces O&M guidance, and action Requirements, or cosheet(s).	e on separate n the most recent n" deliverables in ctice Statement of any applicable Job comparable SWCC	construction/certificat separate Planning Lan recent SWCC BMP star 2. Independently fulfi deliverables in accorda Statement of Work (SO 3. Independently com- certification activities	d Units (PLU) in accord ndard and policies. II/complete the "Instal ance with the most red OW) or comparable SW	ne desired practice on lance with the most lation" & "Check Out" tent eFOTG practice I/CC form(s).		

# PRECISION AGRICHEMICAL APPLICATION

	PRACTICE DESCRIPT	ΓΙΟΝ				JOB CLASSES				
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V		
590-PAA	Precision Agrichemical Application	Purpose	Туре	All						
			TECHNICAL COM	PETENCY REQUIREMEN	ITS	•				
	Prerequisites				Practice	Knowledge, Skills, Abiliti	es (KSAs)			
	t fulfill ALL the Technical Competency Re				s Crops and Cropping S					
•	ed number of plans for review to receive			_	Health and Manageme					
_	edge of SWCC JAA Policy and Procedures	s, applicable conserva	=	· ·						
and BMP policies.		.f !! + +		_	nge Systems used in NC					
_	edge in the analysis and interpretation o		•	· · ·	thetic Fertilizers and A	•				
site assessment fo	omplete "The NRCS-CPA-52 Environment		I .	nure Characteristics an	gement Planning Course	•				
	Management in NC Course which include	es: (1) the online prer				rus Risk Assessments u		AT) and/or latest		
	nent-related course work; and (3) a passi			· ·	ent Management Softw		3111g 1467 1147 (142244 111	ertif anafor latest		
_	course; Working knowledge in the Agricu	=	=							
(Title 210, Part 65:		J								
6. Appropriate JA	A for practices needed to control erosior	n to a sustainable leve	l (T) on land							
application sites (I	f applicable Practice Codes: 342, 329, 32	8, 340, 386,).								
	INVENTORY AND EVALUATION (I&E)		PKA	DESIGN (D)		CONSTR	UCTION & CERTIFICATION	V (C8C)		
1 Independently	complete a minimum of two I&E packets	on congrate	Independently com		MO	Independently com				
	ts (PLU) to identify and document resour	=	I	•		1				
	PA-52 Form (or equivalent) and GIS mapp			s for the desired practice on separate   construction/certification "check-outs" for two applied Nutrient   PLU) in accordance with the most recent   Management Plans on separate Planning Land Units (PLU) in						
	or Conservation Desktop) to develop Con	= :								
	.,			•		policies.				
2. Use the latest N	NRCS-CPA-52 (Sections A thru P) or comp	arable site	2. Independently fulfil	l/complete two Nutrie	ent Management					
assessment form t	o independently recommend and docun	nent resource	Plans in accordance wi	th the most recent SV	VCC BMP standard.	2. Independently fulfi	ll/complete the "Install	ation" & "Check Out"		
alternatives/altern	native action(s) needed to meet the clien	t's objective and	(Note- plan should incl	ude use of PLAT, eros	ion prediction result	deliverables in accorda	ance with the most rece	ent eFOTG practice		
	ded purpose to mitigate associated resou	irce concerns for two	for planned fields, and	latest NC CNMP chec	klist.)	Statement of Work (So	DW) or comparable SW	CC form(s).		
different Planning	Land Units (PLU).									
	:	CDITEDIA DECOLIDOS	3. Completion of the l			3. Independently com		-		
1	ppropriate "CONSERVATION PLANNING	•	through P or comparal	ole site assessment for	rm.		using the latest NC-CPA			
	CIAL ENVIRONMENTAL CONCERNS CHECK	·				("Conservation Practic	e Certification Form") o	or comparable form.		
1	parable form, and ALL applicable resourd ediction tools, calculations, surveys, and									
1	•									
1	ecessary to document existing resource conditions, resource concerns, and nort-term/long term effects of proposed alternatives.									
	ore termylong term effects of proposed ditermatives.									
			ļ			1				

# PRECISION NUTRIENT MANAGEMENT

	PRACTICE DESCRIPT	TION				JOB CLASSES		
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V
590-PNM	Precision Nutrient Management	Nutrient source, application method and/or special condition	Туре	All				
			TECHNICAL CON	PETENCY REQUIREMEN	TS			
	Prerequisites				Practice	Knowledge, Skills, Abilit	ies (KSAs)	
submit the specific 2. Working knowl and BMP policies. 3. Working knowl 4. Capability to cosite assessment fo 5. NCSU Nutrient nutrient managem conclusion of the conclusion of the Company of the Compan	edge in the analysis and interpretation of implete "The NRCS-CPA-52 Environments rm.  Management in NC Course which include the include th	tion practice standard, analysis results. eet" or comparable equisite; (2) 5-days of given at the ment Field Handbook	web-based NC Nutrient Management Software.					
			PRA	ACTICE PHASES				
	INVENTORY AND EVALUATION (I&E)			DESIGN (D)		CONSTR	RUCTION & CERTIFICATION	ON (C&C)
<ol> <li>Independently complete a minimum of two I&amp;E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.</li> <li>Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).</li> </ol>				for the desired practic PLU) in accordance with and policies.  Il/complete two Nutrie ith the most recent SW lude use of PLAT, erosi I latest NC CNMP check	en the most recent  ent Management VCC BMP standard. ion prediction result klist.)	<ol> <li>Independently conconstruction/certifica Management Plans or accordance with the rpolicies.</li> <li>Independently fulfideliverables in accord Statement of Work (S)</li> <li>Independently concertification activities ("Conservation Practical Conservation P</li></ol>	ill/complete the "Insta ance with the most rec OW) or comparable SV	wo applied Nutrient and Units (PLU) in P standard and Illation" & "Check Out" cent eFOTG practice VCC form(s).  Delete practice A-09 Form

# PRESCRIBED GRAZING

	PRACTICE DESCRIP	TION		JOB CLASSES					
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V	
528	Prescribed Grazing	Pasture Only - Area	Acres	All					
			TECHNICAL COM	PETENCY REQUIREMEN	TS				
	Prerequisites				Practic	e Knowledge, Skills, Abiliti	es (KSAs)		
	t fulfill ALL the Technical Competency Re	•	this practice, and	_		mplications for specific g	razing ecological sites,	forage suitability	
submit the specific	submit the specified number of plans for review to receive JAA.			groups, and/or forest	=				
2. 14/2 alsia a lan assal	Working knowledge of SWCC JAA Policy and Procedures, applicable conservat			<u> </u>		nent plans that are pract	ical, address resource	concerns, and meet	
and BMP policies.	eage of SWCC JAA Policy and Procedure	es, applicable conserva	tion practice standard,	manager's objectives.		unicate needed adjustm	ents		
and bivir policies.				*	•	ols to complete forage b		sture Conditioning	
3. Capability to co	omplete "The NRCS-CPA-52 Environment	tal Evaluation Workshe	eet" or comparable	Score, C-Graze.					
site assessment fo	•		•	· ·	downers the usage of	grazing stick to establis	n stop grazing onsite.		
			DD A	CTICE PHASES					
	INVENTORY AND EVALUATION (I&E)			DESIGN (D)		CONSTR	UCTION & CERTIFICATIO	N (C&C)	
1. Independently	complete a minimum of two I&E packet	s on separate	Independently complete a minimum of two			Independently complete a minimum of two			
	ts (PLU) to identify and document resou	· · · · · · · · · · · · · · · · · · ·	designs/specifications for the desired practice on separate			construction/certification "check-outs" for the desired practice on			
the latest NRCS-CI	PA-52 Form (or equivalent) and GIS map	ping tools (i.e.	Planning Land Units (PLU) in accordance with the most recent			separate Planning Land Units (PLU) in accordance with the most			
ArcMap, Toolkit, o	or Conservation Desktop) to develop Con	nservation Plan Maps.	SWCC BMP standard and policies.			recent SWCC BMP standard and policies.			
ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE"			2. Independently fulfi accordance with the m Work (SOW), including Sheet(s), Implementat practice specification s	II/complete the "Designost recent eFOTG pract of the control of th	ctice Statement of any applicable Job comparable SWCC orksheet, Sections A	<ol> <li>Independently fulfideliverables in accordance</li> <li>Statement of Work (Statement of Work (Statement)</li> <li>Independently componentification activities</li> </ol>	II/complete the "Instal ance with the most rec DW) or comparable SW pile, record, and comp	ent eFOTG practice /CC form(s). plete practice A-09 Form	

# ROOFTOP RUNOFF MANAGEMENT SYSTEMS

				ı					
	PRACTICE DESCRIPT	1	T		T	JOB CLASSES	1	Т	
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V	
558	Rooftop Runoff Management System	Purpose	Туре	All					
			TECHNICAL COM	PETENCY REQUIREMEN	TS				
	Prerequisites					Knowledge, Skills, Abiliti			
	t fulfill ALL the Technical Competency Re		this practice, and	1 ' ' '	·	luding sketches and drawi	•	he client that	
•	ed number of plans for review for to rece					the practice and obtain naribe treatment and the ap			
	ledge of SWCC JAA Policy and Procedures	tion practice standard,	1 '	•	nalyses to develop plans ar		hut not limited to		
and BMP policies.				1		I considerations, and outle		,	
1 ' '	omplete "The NRCS-CPA-52 Environment	al Evaluation Worksh	eet" or comparable	1		ity safety policy (NEM Par		Engineering Activities	
site assessment fo	orm. ledge of Web Soil Survey, Suitabilities and	d Limitations Patings		Affecting Utilities 503.0					
_	erform layout and construction checking	<del>-</del>	arocedures and	1	ouilt or "red-line" drawing	gs (NEM Part 512, Constru	ction, Subpart F – As-buil	ts, 512.50 through	
	nat contained in Technical Release 62.	Tollowing applicable p	orocedures and	512.52).	allation maata annlicable	standards and specification	ons and is in compliance.	with normits (NEM Dort	
Notekeeping form	iat contained in reclinical Kelease 02.			505 – Non-NRCS Engine		standards and specification 505 3)	ons and is in compliance v	with permits (NEW Part	
				1303 Non Mices Engine	ering services, suspairer				
			PRA	CTICE PHASES					
	INVENTORY AND EVALUATION (I&E)			DESIGN (D)			CONSTRUCTION & CERTIFICATION (C&C)		
1. Independently	complete a minimum of two I&E packets	s on separate	1. Independently com	Independently complete a minimum of two			plete a minimum of tw	vo	
Planning Land Un	its (PLU) to identify and document resou	rce concerns using	designs/specifications for the desired practice on separate			construction/certification "check-outs" for the desired practice on			
the latest NRCS-C	PA-52 Form (or equivalent) and GIS mapp	ping tools (i.e.	Planning Land Units (PLU) in accordance with the most recent			separate Planning Land Units (PLU) in accordance with the most			
ArcMap, Toolkit,	or Conservation Desktop) to develop Con	servation Plan Maps.	SWCC BMP standard a	nd policies.		recent SWCC BMP sta	ndard and policies.		
	NRCS-CPA-52 (Sections A thru P) or comp		1 ' '	<ol><li>Independently fulfill/complete the "Design" deliverables in accordance with the most recent eFOTG practice Statement of</li></ol>			2. Independently fulfill/complete the "Installation" & "Check Out" deliverables in accordance with the most recent eFOTG practice		
	to independently recommend and docum							·	
	native action(s) needed to meet the clien ded purpose to mitigate associated resou	=	Work (SOW), including O&M guidance, and any applicable Job Statement of Work (SOW) or comparable Sheet(s), Implementation Requirements, or comparable SWCC					rcc form(s).	
	g Land Units (PLU).	arce concerns for two	practice specification		comparable Swcc	3 Independently com	nile record and com	olete practice	
uniterent i lanning	cand onits (1 Lo).		practice specification .	silect(3).		3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form		=	
3. Complete the a	appropriate "CONSERVATION PLANNING	CRITERIA. RESOURCE	3. Completion of the l	atest NRCS-CPA-52 Wo	orksheet. Sections A		ce Certification Form")		
•	CIAL ENVIRONMENTAL CONCERNS CHECK		through P or compara			(	,	o. comparatio .c	
	parable form, and ALL applicable resourc	•							
•	rediction tools, calculations, surveys, and								
•	iment existing resource conditions, resou								
short-term/long term effects of proposed alternatives.									
	·								

# SOD-BASED ROTATION

	PRACTICE DESCRI	PTION		JOB CLASSES					
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V	
328	Sod-based Rotation	Crop, Production Method	Туре	All					
			TECHNICAL CON	PETENCY REQUIREMEN	TS				
	Prerequisite	s			Practic	e Knowledge, Skills, Abilit	es (KSAs)		
<ol> <li>Employee must fulfill ALL the Technical Competency Requirements listed for this practice, an submit the specified number of plans for review to receive JAA.</li> <li>Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice stand BMP policies.</li> <li>Capability to complete "The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparasite assessment form.</li> </ol>				· ·	Health and Managem ent Wind and Water E ge Systems used in NO	ent. Frosion Prediction Tools.			
			PR/	LACTICE PHASES					
	INVENTORY AND EVALUATION (I&E)			DESIGN (D)			CONSTRUCTION & CERTIFICATION (C&C)		
Planning Land Unithe latest NRCS-CI ArcMap, Toolkit, of 2. Use the latest Nassessment form the alternatives/alternatives/alternatives the intendifferent Planning 3. Complete the acconcerns & Special Section II) or compact as erosion princeessary to document of the latest NRCS according to the latest NRCS	complete a minimum of two I&E packer (its (PLU) to identify and document reso PA-52 Form (or equivalent) and GIS map or Conservation Desktop) to develop Conservation and documentive action(s) needed to meet the clied ded purpose to mitigate associated resolution Units (PLU).  Appropriate "CONSERVATION PLANNING CIAL ENVIRONMENTAL CONCERNS CHECAL ENVIRONMENTAL ENVIRONMEN	urce concerns using pping tools (i.e. onservation Plan Maps. onserva	designs/specifications Planning Land Units (F SWCC BMP standard a  2. Independently fulfi accordance with the n Work (SOW), including Sheet(s), Implementat practice specification	and policies.  Ill/complete the "Designost recent eFOTG praceg O&M guidance, and attion Requirements, or a sheet(s).	n' deliverables in ctice Statement of any applicable Job comparable SWCC	construction/certificationseparate Planning Lan recent SWCC BMP sta  2. Independently fulfideliverables in accord Statement of Work (Statement of Work (Statement))  3. Independently concertification activities	d Units (PLU) in accord ndard and policies.  Il/complete the "Insta ance with the most red OW) or comparable SV	he desired practice on dance with the most llation" & "Check Out" cent eFOTG practice VCC form(s).  plete practice A-09 Form	

# SPRING DEVELOPMENT

	DD 4 07105 D50001	D=1011				100 01 10050		
	PRACTICE DESCRIF		T .			JOB CLASSES		1
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V
574	Spring Development	Purpose	Туре	All				
			TECHNICAL COM	PETENCY REQUIREMEN	TS			
	Prerequisites	s			Practice	e Knowledge, Skills, Abiliti	ies (KSAs)	
1. Employee must	fulfill ALL the Technical Competency Re	equirements listed for	this practice, and	1. Knowledge of NRC	S Construction Specifi	cation 21 - Excavation a	ınd 23 - Earthfill.	
•	d number of plans for review for to red			1		prescribe treatment and		
	edge of SWCC JAA Policy and Procedure	tion practice standard,	1 '		e utility safety policy (N	EM Part 503-Safety, Su	ıbpart A - Engineering	
and BMP policies.				1	tilities 503.00 through	·		
	mplete "The NRCS-CPA-52 Environmen	ntal Evaluation Worksho	eet" or comparable	1 '	s-built or "red-line" dr	awings (NEM Part 512, 0	Construction, Subpart	F – As-builts, 512.50
site assessment for				through 512.52).				
_	edge of Web Soil Survey, Suitabilities an					cable standards and spe		· ·
	rform layout and construction checking	g following applicable p	procedures and	permits (NEM Part 50	05 – Non-NRCS Engine	ering Services, Subpart A	A - Introduction, 505.3	).
Notekeeping forma	at contained in Technical Release 62.							
			PRΔ	L				
	INVENTORY AND EVALUATION (I&E)		<u> </u>	DESIGN (D) CONSTRUCTION & CERTIFICATION			ON (C&C)	
1 Independently o	complete a minimum of two I&E packe		1. Independently com		vo	<u> </u>	plete a minimum of tw	
•	s (PLU) to identify and document resou		designs/specifications for the desired practice on separate			construction/certification "check-outs" for the desired practice on		
_	A-52 Form (or equivalent) and GIS map	•	Planning Land Units (PLU) in accordance with the most recent			separate Planning Land Units (PLU) in accordance with the most		
	Conservation Desktop) to develop Co	•	SWCC BMP standard and policies.			recent SWCC BMP standard and policies.		
	., .	·		•			·	
2. Use the latest N	RCS-CPA-52 (Sections A thru P) or com	parable site	2. Independently fulfil	II/complete the "Desig	n" deliverables in	2. Independently fulfi	ill/complete the "Instal	llation" & "Check Out"
assessment form to	independently recommend and docu	iment resource	accordance with the m	nost recent eFOTG pra	ctice Statement of	deliverables in accorda	ance with the most red	cent eFOTG practice
alternatives/alterna	ative action(s) needed to meet the clie	ent's objective and	Work (SOW), including	g O&M guidance, and a	any applicable Job	Statement of Work (So	OW) or comparable SV	VCC form(s).
achieve the intende	ed purpose to mitigate associated reso	ource concerns for two	Sheet(s), Implementat	ion Requirements, or o	comparable SWCC			
different Planning I	Land Units (PLU).		practice specification s	sheet(s).		3. Independently com	npile, record, and comp	olete practice
						certification activities	using the latest NC-CP	A-09 Form
3. Complete the ap	opropriate "CONSERVATION PLANNING	G CRITERIA, RESOURCE	3. Completion of the l	atest NRCS-CPA-52 Wo	orksheet, Sections A	("Conservation Praction	ce Certification Form")	or comparable form.
	IAL ENVIRONMENTAL CONCERNS CHEC	•	through P or compara	ble site assessment for	rm.			
1	arable form, and ALL applicable resour							
· ·	ediction tools, calculations, surveys, an	_						
	nent existing resource conditions, reso	ource concerns, and						
short-term/long term effects of proposed alternatives.								

# STOCK TRAILS AND WALKWAYS

	PRACTICE DESCRIP	TION		JOB CLASSES					
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V	
575	Stock Trails and Walkways	Purpose	Туре	All					
			TECHNICAL COM	PETENCY REQUIREMEN	TS	•			
	Prerequisites				Practice	e Knowledge, Skills, Abiliti	es (KSAs)		
	t fulfill ALL the Technical Competency Re ed number of plans for review for to rece	•		-		n 21 - Excavation and 23 - cribe treatment and the ap			
· ·	ledge of SWCC JAA Policy and Procedure			1		ons and analyses to develop		including but not	
and BMP policies.		o, app	orania di	1	rades, widths, surfacing	materials, surface drainage	e, erosion control, and en	vironmental	
	omplete "The NRCS-CPA-52 Environment	al Evaluation Workshe	eet" or comparable	considerations.	20	liter and the control of the control	FOO Cafata Calamant A	For all and a subject to the subject	
site assessment fo	orm.			Affecting Utilities 503.00		lity safety policy (NEM Part	: 503-Safety, Subpart A - 1	Engineering Activities	
4. Working knowl	ledge of Web Soil Survey, Suitabilities and	d Limitations Ratings.				gs (NEM Part 512, Constru	ction, Subpart F – As-buil	ts, 512.50 through	
	erform layout and construction checking	following applicable p		512.52).	·	,	, .	,	
Notekeeping form	nat contained in Technical Release 62.			1		e standards and specification	ons and is in compliance v	with permits (NEM Part	
				505 – Non-NRCS Engine	ering Services, Subpart A	A - Introduction, 505.3).			
			PRA	ACTICE PHASES					
	INVENTORY AND EVALUATION (I&E)		DESIGN (D)			CONSTRUCTION & CERTIFICATION (C&C)			
1. Independently	complete a minimum of two I&E packets	s on separate	1. Independently complete a minimum of two			· · · · · · · · · · · · · · · · · · ·	plete a minimum of tv		
_	ts (PLU) to identify and document resou	_	designs/specifications for the desired practice on separate			construction/certification "check-outs" for the desired practice on			
	PA-52 Form (or equivalent) and GIS mapp					separate Planning Lan		lance with the most	
ArcMap, Toolkit, c	or Conservation Desktop) to develop Con	servation Plan Maps.	SWCC BMP standard a	ind policies.		recent SWCC BMP star	ndard and policies.		
2 Use the latest N	NRCS-CPA-52 (Sections A thru P) or comp	narahla sita	2. Independently fulfil	II/complete the "Desig	n" deliverables in	2. Independently fulfi	ll/complete the "Instal	lation" & "Check Out"	
	to independently recommend and document		1	· -		•			
	native action(s) needed to meet the clien		accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job			deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s).			
	ded purpose to mitigate associated resou	=				(	, ,	(-)	
different Planning			practice specification sheet(s).			3. Independently compile, record, and complete practice			
						certification activities using the latest NC-CPA-09 Form ("Conservation Practice Certification Form") or comparable form.			
3. Complete the a	appropriate "CONSERVATION PLANNING	CRITERIA, RESOURCE	3. Completion of the l	atest NRCS-CPA-52 Wo	orksheet, Sections A				
	CIAL ENVIRONMENTAL CONCERNS CHEC	•	through P or compara	ble site assessment for	m.				
	parable form, and ALL applicable resource	·							
· ·	ediction tools, calculations, surveys, and	_							
	necessary to document existing resource conditions, resource concerns, and								
snort-term/long to	erm effects of proposed alternatives.								

# STRIPCROPPING

	PRACTIC	E DESCRIPTION		JOB CLASSES					
TECHNICAL COMPETENCY REQUIREMENTS  Practice Knowledge, Skills, Abilities (RSAs)  1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA.  2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies.  3. Capability to complete "The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.  PRACTICE PHASES  PRACTICE PHASES  INVENTORY AND EVALUATION (I&E)  1. Independently complete a minimum of two like packets on separate the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (I.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to miligate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSENATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EPOTG, Section II) or comparable form comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, advantage and positions.  3. Complete the appropriate "CONSENATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EPOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and solis investigations necessary to document existing resource conditions, resource concerns, and	Code Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V	
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA.  2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies.  3. Capability to complete "The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.  PRACTICE PHASES    PRACTICE PHASES	585 Stripcropping	Slope	%	All					
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA.  2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies.  3. Capability to complete "The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.  PRACTICE PHASES  INVENTORY AND EVALUATION (I&E)  1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Environmental Gis mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource attenratives alticularly latendary l			TECHNICAL COM	IPETENCY REQUIREMEN	TS				
submit the specified number of plans for review to receive JAA.  2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies.  3. Capability to complete "The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.  PRACTICE PHASES    INVENTORY AND EVALUATION (I&E)   1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Experimental of Swappen (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource attentatives/alternatives actions) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conderns, and	Pre	requisites			Practic	e Knowledge, Skills, Abiliti	es (KSAs)		
3. Ability to use Current Wind and Water Erosion Prediction Tools. 4. Knowledge of Tillage Equipment and Systems used in NC. 5. Knowledge of Flanters and Drills and Common Widths Used in NC. 6. Knowledge of Flanters and Drills and Common Widths Used in NC. 6. Knowledge of Flanters and Drills and Common Widths Used in NC. 6. Knowledge of Flanters and Drills and Common Widths Used in NC. 6. Knowledge of Flanters and Drills and Common Widths Used in NC. 6. Knowledge of Flanters and Drills and Common Widths Used in NC. 6. Knowledge of Crop Residue Management. 6. Knowledge of Crop Residue Management. 7. Independently complete a minimum of two Use Expackets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. Planning Land Units (PLU) to develop Conservation Plan Maps. 7. Undependently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent sWCC BMP standard and policies. 7. Independently conservation Desktop) to develop Conservation Plan Maps. 8. Every Standard and policies. 8. Undependently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent sWCC BMP standard and policies. 8. Undependently complete the "Installation" & "Check Ou accordance with the most recent sWCC BMP standard and policies. 8. Independently fulfill/complete the "Installation" & "Check Ou accordance with the most recent eFOTG practice Statement of Work (SWD) or comparable SWCC practice specification sheet(s). 8. Independently complete a minimum of two designs/specifications of the desired practice on separate Planning Land Units (PLU) in accordance with the most recent sWCC BMP standard and policies.  8. Lindependently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance wi	1		this practice, and	_					
2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies.  3. Capability to complete "The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.  PRACTICE PHASES  DESIGN (0)  1. Independently complete a minimum of two l&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and	submit the specified number of plans for review		_	_					
and BMP policies.  3. Capability to complete "The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.  PRACTICE PHASES  INVENTORY AND EVALUATION (I&E)  1. Independently complete a minimum of two local parkets on separate the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcWap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource conditions, resource conditions, resource conditions, resource concerns, and	2 Working knowledge of SWCC IAA Deligy and D						ivetome used in NC		
3. Capability to complete "The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.    Active Phases   Practice Phases		rocedures, applicable conserva	="		= : :				
3. Capability to complete "The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.  PRACTICE PHASES  INVENTORY AND EVALUATION (I&E)  1. Independently complete a minimum of two (I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (I.e. Planning Land Units (PLU) to identify and document resource oncerns using the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and	and bivir policies.			_			C.		
INVENTORY AND EVALUATION (I&E)  1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/al	3. Capability to complete "The NRCS-CPA-52 Env	rironmental Evaluation Workshe				•			
Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, section II) or comparable form, and ALL applicable resource concerns, and			·						
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Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, section II) or comparable form, and ALL applicable resource concerns, and									
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1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU), in cluding O&M guidance, and any applicable SwCC practice specification sheet(s).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource concerns and many policials and policies.  1. Independently complete a minimum of two designs/specifications of the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies.  2. Independently complete a minimum of two designs/specifications of the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies.  2. Independently complete a minimum of two designs/specifications of the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies.  2. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies.  2. Independently fulfill/complete the "Design" deliverables in accordance with the most recent SWCC BMP standard and policies.  3. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separ	INVENTORY AND EVALUATI	ON (I&E)	FRA			CONSTR	CUCTION & CERTIFICATION	N (C&C)	
Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e.  ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, resource concerns, and			1. Independently com	• • •	WO				
ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, resource concerns, and  SWCC BMP standard and policies.  2. Independently fulfill/complete the "Design" deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s).  3. Independently fulfill/complete the "Installation" & "Check Outdeliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s).  3. Independently fulfill/complete the "Installation" & "Check Outdeliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC practice specification sheet(s).  4. Independently fulfill/complete the "Installation" & "Check Outdeliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC practice specification sheet(s).  3. Independently fulfill/complete the "Installation" & "Check Outdeliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC practice Statement of Work (SOW) or comparable SWCC practice	1 ' ' '	•	•	·			construction/certification "check-outs" for the desired practice on		
2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, resource concerns, and  2. Independently fulfill/complete the "Design" deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC practice specification sheet(s).  3. Independently fulfill/complete the "Installation" & "Check Outdeliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC practice specification sheet(s).  3. Independently fulfill/complete the "Installation" & "Check Outdeliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC practice specification sheet(s).  3. Independently fulfill/complete the "Installation" & "Check Outdeliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC practice specification sheet(s).  3. Independently fulfill/complete the "Installation" & "Check Outdeliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC practice specification sheet(s).  3. Independently fulfill/complete the "Installation" & "Check Outdeliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC practice specification sheet(s).  3. Independently fulfill/complete the "Installation" & "Check Outdeliverables in accordance with the most recent eFOTG practice specification sheet(s).	the latest NRCS-CPA-52 Form (or equivalent) and	GIS mapping tools (i.e.	Planning Land Units (PLU) in accordance with the most recent			separate Planning Land Units (PLU) in accordance with the most			
assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and	ArcMap, Toolkit, or Conservation Desktop) to de	velop Conservation Plan Maps.	SWCC BMP standard and policies.			recent SWCC BMP standard and policies.			
assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and	2. Use the latest NRCS-CPA-52 (Sections A thru P	) or comparable site	2. Independently fulfil	2 Independently fulfill/complete the "Design" deliverables in			ll/complete the "Instal	lation" & "Check Out"	
achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and	•	-	I :	-					
different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and  3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form ("Conservation Practice Certification Form") or comparable form through P or comparable site assessment form.	alternatives/alternative action(s) needed to mee	t the client's objective and	Work (SOW), including	g O&M guidance, and a	any applicable Job	Statement of Work (So	OW) or comparable SW	/CC form(s).	
3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE through P or comparable site assessment form.  3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.  4. Conservation Practice Certification activities using the latest NC-CPA-09 Form ("Conservation Practice Certification Form") or comparable form.	1	ated resource concerns for two	1 ' ' '		comparable SWCC				
3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and	different Planning Land Units (PLU).		practice specification sheet(s).						
CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and	a c l l l l l conservation a	LANDUNG CRITERIA RECOLURCE					_		
	CONCERNS & SPECIAL ENVIRONMENTAL CONCER Section II) or comparable form, and ALL applicab such as erosion prediction tools, calculations, sur	through P or comparable site assessment form.		("Conservation Praction	e Certification Form")	or comparable form.			
Short termylong term effects of proposed alternatives.	_								
		ILIVES.							

# **TERRACES**

	PRACTICE DESCRIP	PTION		JOB CLASSES					
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V	
600	Terraces	Purpose	Туре	All					
			TECHNICAL COM	PETENCY REQUIREMEN	TS				
	Prerequisites	1			Practic	e Knowledge, Skills, Abiliti	ies (KSAs)		
<ol> <li>Employee must ful submit the specified r</li> <li>Working knowledge and BMP policies.</li> <li>Capability to composite assessment form.</li> <li>Working knowledges.</li> <li>Capability to performation.</li> </ol>	tion practice standard, eet" or comparable	<ol> <li>Ability to Assess sit</li> <li>Compliance with N Activities Affecting Ut</li> <li>Development of as through 512.52).</li> <li>Certification the in</li> </ol>	te soil conditions and IRCS national and stat ilities 503.00 through s-built or "red-line" dr	ication 21 - Excavation a prescribe treatment and te utility safety policy (N 503.06). rawings (NEM Part 512, s icable standards and spe ering Services, Subpart a	d the appropriate vege EM Part 503-Safety, Su Construction, Subpart ecifications and is in co	ubpart A - Engineering F – As-builts, 512.50 empliance with			
			PR∆	CTICE PHASES					
	INVENTORY AND EVALUATION (I&F)		<u> </u>	DESIGN (D) CONSTRUCTION & CERTIFICATION (C			ON (C&C)		
Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps.  2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client's objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU).  3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE"  designs/specificat Planning Land Units (PLU) accordance with the work (SOW), including the practice specificate practice specificate accordance with the practice accordance with the				plete a minimum of tw for the desired practic (LU) in accordance with nd policies. (II/complete the "Desig nost recent eFOTG pract g O&M guidance, and a ion Requirements, or o sheet(s).	e on separate n the most recent n" deliverables in ctice Statement of any applicable Job comparable SWCC	Independently comconstruction/certificationseparate Planning Landerect SWCC BMP states     Independently fulfideliverables in accord Statement of Work (Statement of Work (Statement))     Independently comcertification activities	nplete a minimum of twation "check-outs" for the dunits (PLU) in accordance and policies.  Ill/complete the "Instal ance with the most recow) or comparable SW	he desired practice on dance with the most llation" & "Check Out" tent eFOTG practice VCC form(s).	

# TROUGH OR TANK

	DDACTICE DECOND	TION				IOD CLASSES		
	PRACTICE DESCRIP	1	1		1	JOB CLASSES	1 1 0 11	1
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V
614	Trough or Tank	Purpose	Type	All				
			TECHNICAL CON	IPETENCY REQUIREMEN				
	Prerequisites					e Knowledge, Skills, Abiliti		
	fulfill ALL the Technical Competency Re	=	this practice, and	_	-	bution appurtenances and		•
· ·	ed number of plans for review for to rec			for access (e.g. fences o		sures, protective measure	s for animals and numans	, and special conditions
	edge of SWCC JAA Policy and Procedure	tion practice standard,			ity safety policy (NEM Par	t 503-Safety, Subpart A -	Engineering Activities	
and BMP policies.	was late "The NDCC CDA F2 Favings are ent	tal Fralisatian Manusah		Affecting Utilities 503.00		, ,, ,,	,, ,	0 0
site assessment for	mplete "The NRCS-CPA-52 Environment	tal Evaluation Workshi	eet or comparable	3. Practice standard crit	teria related computatio	ns and analyses to develor	p plans and specifications	of water resource and
	rm. edge of Web Soil Survey, Suitabilities an	d Limitations Batings				e and number of livestock	, daily water use, planned	d storage volume, and
_	erform layout and construction checking	_	arocoduros and	topographic survey for p				
	at contained in Technical Release 62.	g rollowing applicable p	orocedures and	•	uilt or "red-line" drawin	gs (NEM Part 512, Constru	ction, Subpart F – As-buil	ts, 512.50 through
Notekeeping form	at contained in reclinical Release 02.			512.52).	allation moots applicable	standards and specification	ons and is in compliance	with parmits (NEM Part
				505 – Non-NRCS Engine			ons and is in compliance	with perimits (NEW Fart
			PRA	CTICE PHASES	<u> </u>			
	INVENTORY AND EVALUATION (I&E)		DESIGN (D)			CONSTRUCTION & CERTIFICATION (C&C)		
1. Independently	complete a minimum of two I&E packet	s on separate	Independently complete a minimum of two			1. Independently complete a minimum of two		
Planning Land Unit	ts (PLU) to identify and document resou	irce concerns using	designs/specifications for the desired practice on separate			construction/certification "check-outs" for the desired practice on		
the latest NRCS-CP	PA-52 Form (or equivalent) and GIS map	ping tools (i.e.	Planning Land Units (PLU) in accordance with the most recent			separate Planning Lan	d Units (PLU) in accord	lance with the most
ArcMap, Toolkit, o	r Conservation Desktop) to develop Cor	nservation Plan Maps.	. SWCC BMP standard and policies.			recent SWCC BMP standard and policies.		
<ol> <li>Use the latest N assessment form t alternatives/altern achieve the intend different Planning</li> <li>Complete the a CONCERNS &amp; SPEC Section II) or compsuch as erosion pronecessary to documents.</li> </ol>	NRCS-CPA-52 (Sections A thru P) or composite or independently recommend and documentive action(s) needed to meet the clier led purpose to mitigate associated reso	parable site ment resource nt's objective and urce concerns for two CRITERIA, RESOURCE KLIST (see EFOTG, ce assessments tools, d soils investigations	2. Independently fulfi accordance with the m Work (SOW), including Sheet(s), Implementat practice specification s	II/complete the "Designost recent eFOTG pract of the control of th	ctice Statement of any applicable Job comparable SWCC orksheet, Sections A	<ol> <li>Independently fulfideliverables in accord.</li> <li>Statement of Work (Statement of Work (Statement)</li> <li>Independently componentification activities</li> </ol>	ill/complete the "Instal ance with the most red OW) or comparable SV npile, record, and comp using the latest NC-CP ce Certification Form")	cent eFOTG practice VCC form(s). Diete practice A-09 Form

# **3-YEAR CONSERVATION TILLAGE SYSTEM**

	PRACTICE DESCRIPT	TION				JOB CLASSES		
Code	Practice	Controlling Factor	Units	Job Class I	Job Class II	Job Class III	Job Class IV	Job Class V
329-CTS	3-Year Conservation Tillage System	Crop, Production Method	Туре	All				
			TECHNICAL CON	PETENCY REQUIREMEN	TS			
	Prerequisites				Practice	Knowledge, Skills, Abiliti	es (KSAs)	
<ol> <li>Employee must fulfill ALL the Technical Competency Requirements listed for this practice submit the specified number of plans for review to receive JAA.</li> <li>Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice and BMP policies.</li> <li>Capability to complete "The NRCS-CPA-52 Environmental Evaluation Worksheet" or compsite assessment form.</li> </ol>				1	Health and Management Wind and Water E ge Systems used in NC Il Planters and Drills. Residue Managemen	ent. rosion Prediction Tools. :.		
			PRA	ACTICE PHASES				
	INVENTORY AND EVALUATION (I&E)			DESIGN (D)		CONSTRUCTION & CERTIFICATION (C&C)		
Planning Land Unithe latest NRCS-ClarcMap, Toolkit, of 2. Use the latest I assessment form alternatives/alternatives/alternatives the intendifferent Planning 3. Complete the a CONCERNS & SPECS Section II) or compute the assert of the section princessary to document the section of the sectio	complete a minimum of two I&E packets its (PLU) to identify and document resour PA-52 Form (or equivalent) and GIS mapper Conservation Desktop) to develop Connected in the Conservation Desktop or Complete independently recommend and documentive action(s) needed to meet the client ded purpose to mitigate associated resource Land Units (PLU).  Suppropriate "CONSERVATION PLANNING CIAL ENVIRONMENTAL CONCERNS CHECK parable form, and ALL applicable resource rediction tools, calculations, surveys, and ament existing resource conditions, resource meffects of proposed alternatives.	ce concerns using bing tools (i.e. servation Plan Maps. arable site nent resource t's objective and tree concerns for two CRITERIA, RESOURCE CLIST (see EFOTG, e assessments tools, soils investigations	designs/specifications Planning Land Units (P SWCC BMP standard a  2. Independently fulfi accordance with the n Work (SOW), including Sheet(s), Implementat practice specification s	nplete a minimum of tw for the desired practic PLU) in accordance with and policies.  Il/complete the "Desig nost recent eFOTG practic g O&M guidance, and a cion Requirements, or of sheet(s).	e on separate n the most recent n" deliverables in ctice Statement of any applicable Job comparable SWCC	1. Independently commonstruction/certificates separate Planning Landrecent SWCC BMP sta  2. Independently fulfideliverables in according Statement of Work (Statement of Work (Statement))  3. Independently commonstructions	nplete a minimum of twation "check-outs" for the dunits (PLU) in accordand and policies.  Il/complete the "Instal ance with the most record of the comparable SW	vo ne desired practice on lance with the most lation" & "Check Out" tent eFOTG practice VCC form(s). plete practice A-09 Form