

PRECISION NUTRIENT MANAGEMENT

PRACTICE DESCRIPTION				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	Type	All				
TECHNICAL COMPETENCY REQUIREMENTS								
Prerequisites				Practice Knowledge, Skills, Abilities (KSAs)				
<ol style="list-style-type: none"> Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. Working knowledge in the analysis and interpretation of soil test and waste analysis results. Capability to complete "The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. NCSU Nutrient Management in NC Course which includes: (1) the online prerequisite; (2) 5-days of nutrient management-related course work; and (3) a passing score on the exam given at the conclusion of the course; Working knowledge in the Agricultural Waste Management Field Handbook (Title 210, Part 651). Appropriate JAA for practices needed to control erosion to a sustainable level (T) on land application sites (If applicable Practice Codes: 342, 329, 328, 340, 386,...). 				<ol style="list-style-type: none"> Knowledge of NC's Crops and Cropping Systems. Knowledge of Soil Health and Management. Ability to use Current Wind and Water Erosion Prediction Tools. Knowledge of Tillage Systems used in NC. Knowledge of Synthetic Fertilizers and Analysis. Knowledge of Manure Characteristics and Nutrient Values. Completion of the NCSU Nutrient Management Planning Course. Ability to Perform Nitrogen and Phosphorus Risk Assessments using NCANAT (NLEW+PLAT) and/or latest web-based NC Nutrient Management Software. 				
PRACTICE PHASES								
INVENTORY AND EVALUATION (I&E)			DESIGN (D)			CONSTRUCTION & CERTIFICATION (C&C)		
<ol style="list-style-type: none"> 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. 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). 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. 			<ol style="list-style-type: none"> Independently 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. Independently fulfill/complete two Nutrient Management Plans in accordance with the most recent SWCC BMP standard. (Note- plan should include use of PLAT, erosion prediction result for planned fields, and latest NC CNMP checklist.) Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form. 			<ol style="list-style-type: none"> Independently complete a minimum of two construction/certification "check-outs" for two applied Nutrient Management Plans on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. Independently fulfill/complete the "Installation" & "Check Out" deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form ("Conservation Practice Certification Form") or comparable form. 		