NJ NRCS Checklist for Comprehensive Nutrient Management Plans Revised January 2016 (for use with plans contracted after October 19, 2015)						
Part 1. Signature Page						
Yes	**No**	**N/A**	*At a minimum, is the following information included in the plan?*			
			Name and address of producer and all farm(s) included in the CNMP?			
			Plan Period			
			Comprehensive Nutrient Management Planner signature			
			Client signature			
Part 2: Record of Decisions for the Farmstead/Production Area						
Yes	**No**	**N/A**	*Required Information:*			
			Plan maps showing all planned structures			
			Plan maps showing all existing structures			
			Soil maps for the headquarters with appropriate soil interpretations			
			Description of the AFO (existing and proposed), which includes:			
				Type and number of animals		Average animal weights
				Number of days confined		Type of manure storage(s)
				Existing storage volume/size		Maximum days of storage
				Imports, exports, and on farm transfers, if applicable		
			Documentation for all currently applied practices including engineering plans, job sheets, or implementation requirements			
			Documentation of all planned practices includes a schedule of implementation to include: month/year of planned application and amount *The engineering plans, job sheets, or implementation requirements for future planned practices are not requirements during this CNMP planning phase, but will be developed by the appropriate entity per the planned schedule of implementation			
			All structures installed prior to the current CNMP that were installed without NRCS assistance are shown on the maps and noted they were installed without NRCS assistance.			
			Documentation of whether existing structures are satisfactory (visually appear to be structurally sound and are adequately maintained)			
		Things to consider when reviewing Part 2 – Record of Decisions - Farmstead:				
		Are the manure handling, storage, and treatment facilitates adequately and reasonably sized for the planned manure management?				
		Are all planned practices for the collection, storage, treatment, and transfer of manure included with descriptive narratives?				
		Are the maps of production areas complete? The maps must be scaled and accurate photos or drawings of all confinement areas, production buildings, manure storage and treatment locations, and feeding locations must be in the plan				

Part 3: Record of Decisions for the Crop, Pasture, and Other Lands Where Nutrients Will be Applied			
Yes	**No**	**N/A**	*At a minimum, is the following information included in the plan?*
			Plan maps showing all existing practices and application setbacks
			Plan maps showing all planned practices and application setbacks
			Soil maps for all lands where nutrients will be applied
			Documentation for all currently applied practices that will be maintained
			All practices installed prior to the current CNMP that were installed without NRCS assistance are shown on the maps and it is noted they were installed without NRCS assistance.
			Documentation of all the planned practices includes a schedule of implementation to include: month/year of planned application and amount. *The engineering plans, job sheets, or implementation requirements for planned practices are not requirements during this CNMP planning phase, but will be developed by the appropriate entity per the planned schedule of implementation. **The Implementation Requirements for practices that were necessary for completing the risk assessments shall be included with the CNMP when developed. These practices generally include: (328) Conservation Crop Rotation, Tillage Residue Management practices (329 and/or 345), (330) Contour Farming, (585) Strip Cropping, (393) Filter Strip, and (386) Field Border.
			Completed Implementation Requirements (as needed)
			Predicted soil erosion for all fields

Part 4: Nutrient Management *Nutrient Management plans must comply with technical criteria contained in the state approved Nutrient Management Conservation Practice Standard (CPS 590), and address the use and management of all nutrient sources applied on agricultural lands (animal manure, wastewater, commercial fertilizers, crop residues, legume credits, irrigation water, organic by-products, etc.). All nutrient rates (except for precision rate applications), sources, placement, and timing are to be specific for the crop, field, and year.					
Yes	**No**	**N/A**	*At a minimum, is the following information included in the plan?*		
			Plan maps or aerial imagery or site maps for all fields where nutrients will be applied		
			Soil survey maps for all fields where nutrients will be applied		
			Soil information which includes:		
				Soil type and surface texture	pH
				Drainage class	Permeability
				Available water capacity	Depth to water table
				Restrictive features	Flooding/ponding frequency
			Location of designated sensitive areas and the associated nutrient application restrictions and setbacks		
			Locations of nearby residences, or other locations where humans may be present on a regular basis, and any identified meteorological (e.g., prevailing winds at different times of the year), or topographical influences that may affect the transport of odors to those locations		
			Results of approved risk assessment tools for nitrogen, phosphorus, and erosion losses (NJ P-Index, NJ Nutrient Leaching Risk, and RUSLE2) for all fields where nutrients will be applied		

			* Documentation must be in the file establishing that the application site presents low risk for phosphorus transport to local water when phosphorus is applied in excess of crop requirement	
			When soil phosphorus levels are increasing, Part 4 must include a discussion of the risk associated with phosphorus accumulation and a proposed phosphorus draw-down strategy	
			Current and/or planned plant production sequence or crop rotation	
			Soil, water, compost, manure, organic by-product, and plant tissue sample analyses applicable to the plan	
			Realistic yield goals for the crops	
			Complete nutrient budget for nitrogen, phosphorus, and potassium for the plant production sequence or crop rotation	
			List of and quantification of all nutrient sources and form	
			Documentation of all enhanced efficiency fertilizer products that are planned for use	
			Recommended nutrient application source, timing, amount (except for precision/variable rate applications specify method used to determine rate), and placement of plant nutrients for each field or management unit *Recommendations must be in accordance with the application requirements determined by the NJ P-Index and/or the NJ Nutrient Leaching Risk	
			Guidance for implementation, operation and maintenance, and recordkeeping	
			In addition, the following components must be included in a precision/variable rate nutrient management plan:	
				Document the geo-referenced field boundary and data collected that was processed and analyzed as a GIS layer or layers to generate nutrient or soil amendment recommendations
				Document the nutrient recommendation guidance and recommendation equations (compatible with land grant university recommendations) used to convert the GIS base data layer or layers to a nutrient source material recommendation GIS layer or layers
				Document if a variable rate nutrient or soil amendment application was made
				Provide application records per management zone or “as-applied” map(s) within individual field boundaries (or electronic records) documenting source, timing, method, and rate of all applications that resulted from use of the precision agriculture process for nutrient or soil amendment applications
				Maintain the electronic records of the GIS data layers and nutrient applications for at least 5 years.
			If increases in soil phosphorus levels are expected (i.e., when N-based rates are used), the nutrient management plan must document:	
				The soil phosphorus levels at which it is desirable to convert to phosphorus based planning

				The potential plan for soil test phosphorus drawdown from the production and harvesting of crops, and
				Management activities or techniques used to reduce the potential for phosphorus transport and loss
				For AFOs, a quantification of manure produced in excess of crop nutrient requirements, and
				A long-term strategy and proposed implementation timeline for reducing soil P to levels that protect water quality
			Nutrient Management Operation and Maintenance, as attached is included	

At a minimum, the Nutrient Management (590) Operation and Maintenance statement must include:

- Conduct periodic plan reviews to determine if adjustments or modifications to the plan are needed. At a minimum, plans must be reviewed and revised, as needed with each soil test cycle, changes in manure volume or analysis, crops, or crop management.
- Fields receiving animal manures and/or biosolids must be monitored for the accumulation of heavy metals and phosphorus in accordance with land- grant university guidance and State law.
- Significant changes in animal numbers, management, and feed management will necessitate additional manure analyses to establish a revised average nutrient content.
- Calibrate application equipment to ensure accurate distribution of material at planned rates.
- Document the nutrient application rate. When the applied rate differs from the planned rate, provide appropriate documentation for the change.
- Records must be maintained for at least 5 years to document plan implementation and maintenance. As applicable, records include:
    - Soil, plant tissue, water, manure, and organic by-product analyses resulting in recommendations for nutrient application,
    - Quantities, analyses and sources of nutrients applied,
    - Dates, and method(s) of nutrient applications, source of nutrients, and rates of application,
    - Weather conditions and soil moisture at the time of application; lapsed time to manure incorporation; rainfall or irrigation event,
    - Crops planted, planting and harvest dates, yields, nutrient analyses of harvested biomass, and crop residues removed,
    - Dates of plan review, name of reviewer, and recommended changes resulting from the review, and
    - All enhanced efficiency fertilizer products used.
        - Additional records for precision/variable rate sites must include:
        - Maps identifying the variable application source, timing, amount, and placement of all plant nutrients applied, and
        - GPS-based yield maps for crops where yields can be digitally collected.