United States Department of Agriculture
Natural Resources Conservation Service

# Standard Nutrient Management Plan
# Ohio Deliverables Checklist – November 2013

This checklist is intended to be used NRCS District Conservationists and/or Technical Service Providers to determine if a standard Nutrient Management Plan (NMP) has all the necessary information (deliverables) as required by the Statement of Work.

| | |
|---|---|
| Name of Operation / Producer | |
| Farm / Tract Number | |
| Technical Service Provider | |
| Date NMP Developed | |
| Date TSP Signed or Submitted as Completed | |
| Review Completed By: | |

**Deliverables (As required in the SOW):**
The NMP must be developed using the using the latest Ohio MMP Template. It is preferred (but not required) that the Purdue Manure Management Planner (MMP) be utilized to develop the plan. If not, comparable information must be supplied as per the Ohio MMP Template. Other software can be utilized to develop this information but all the information outlined in the template must be supplied in electronic format as well as hard copy.
Items to be delivered to the NRCS District Conservationist include:

1) The Ohio NMP document individualized for the operation with signatures.
2) An electronic copy of the Ohio NMP Document (with quality maps and aerial photos)
4) An electronic copy of the MMP data file (if used to develop the plan)

| Yes | No | NA | |
|---|---|---|---|
| ☐ | ☐ | ☐ | Was the NMP developed using the latest Ohio Templates V.4 and individualized for this operation?<br>Comments: |
| ☐ | ☐ | ☐ | Was the NMP developed using the Purdue Manure Management Planner (MMP) program? (Preferable but not required) If used an electronic copy of the Purdue MMP file should be submitted.<br>Comments: |
| ☐ | ☐ | ☐ | Is the Farm Contact information on page 1 correct?<br>Comments: |
| ☐ | ☐ | ☐ | Have the appropriate signatures been obtained on pages 1-2 ?<br>Comments: |
| ☐ | ☐ | ☐ | Has the TSP Provided?<br>☐ An electronic copy of the Ohio NMP Document (with maps)<br>☐ An electronic copy of the MMP data file (if MMP was used to develop the plan)<br>Comments: |
| | | | |

United States Department of Agriculture
Natural Resources Conservation Service

# Standard Nutrient Management Plan
# Ohio NMP Evaluation Checklist – November 2013

This checklist is intended to be used by producers, NRCS employees, and/or Technical Service Providers to evaluate a standard Nutrient Management Plan (NMP) and the data used in the Purdue Manure Management Planner.

It is a more thorough evaluation to determine if the NMP meets National and Ohio Policy.

| | |
|---|---|
| Name of Operation / Producer | |
| Farm / Tract Number | |
| Technical Service Provider | |
| Date NMP Developed | |
| Date TSP Signed or Submitted as Completed | |
| Review Completed By: | |

| Yes | No | NA | Section 1. Background and Site Information |
|---|---|---|---|
| ☐ | ☐ | ☐ | Has the NMP document been developed using the Ohio Templates V.4?<br>Comments: |
| ☐ | ☐ | ☐ | Was the NMP developed using the Purdue Manure Management Planner (MMP) program? (Preferable but not required) If used an electronic copy of the Purdue MMP file should be submitted.<br>Comments: |
| ☐ | ☐ | ☐ | Is the Farm Contact information on page 1 correct?<br>Comments: |
| ☐ | ☐ | ☐ | Have the appropriate signatures been obtained on pages 1-2 ?<br>Comments: |
| ☐ | ☐ | ☐ | **1.1 General Description of Operation**.<br>Does the general description of the operation adequately describe the operation including crop rotations and realistic yields, type of tillage used in the operation with typical crop residues, the benchmark resource concerns, the objective of the producer? This section should give the reader a visual picture of the operation.<br>Comments: |
| ☐ | ☐ | ☐ | **1.2 Sampling, Calibration and Other Statements**<br>This section should address…<br>☐ Soil testing method<br>☐ Soil testing frequency<br>☐ Equipment calibration method and frequency<br>Comments: |
| ☐ | ☐ | ☐ | **1.3 Resource Concerns**.<br>This section should adequately describe and concerns about soil (erosion, soil quality, nutrient balance), water (quality and quantity), air (odor control, chemical drift), plants, and animals. Were all the concerns/problems identified, and located?<br>Comments: |

| Yes | No | NA | Section 4. Land Treatment |
|---|---|---|---|
| ☐ | ☐ | ☐ | **4.1 Map(s) of Fields and Conservation Practices**<br>Do maps include a legend, map scale, and provides applicable tract and field numbers. Are the maps digital (much preferred but not required)? Are the maps legible and of good quality? Are all fields that will receive manure represented?<br>☐ Conservation Plan Map with fields delineated, acres, landuse and practices<br>☐ Soil Map with soil map units and legends<br><br>Comments: |
| ☐ | ☐ | ☐ | **4.2 Land Treatment Conservation Practices**<br>Are existing and planned land treatment practices identified by NRCS practice headings with brief narratives for all field in the plan? Are quantities of each practice and a schedule of installation included?<br><br>(If the NMP developer is not a certified planner, a conservation plan developed by a certified planner in Customer Service Toolkit must be inserted here or reviewed and signed by a certified planner)<br>Comments: |
| **Yes** | **No** | **NA** | **Section 5 Soil and Risk Assessment Analysis** |
| ☐ | ☐ | ☐ | **5.1 Soil Information**<br>Are there soil map unit description, and a Soils Inventory? Are the soil descriptions legible?<br>Comments: |
| ☐ | ☐ | ☐ | **5.3 Nitrogen and Phosphorus Risk Analysis**<br>Are risk assessments for potential nitrogen or phosphorus transport from fields documented on a field-by-field basis?<br>Comments: |
| | | | **5.6 Special Fertilizer Application Criteria:**<br>List criteria for winter fertilizer application, fertilizer application of fields subject to flooding, liquid fertilizer application on tile drained fields, and minimum ground cover for fertilizer applications.<br><br>The 4-R's should be addressed in this section. The right nutrient source, the right rated, the right time, and the right placement should be outlined.<br>Comments: |
| **Yes** | **No** | **NA** | **Section 6 Nutrient Management** |
| ☐ | ☐ | ☐ | **6.3 Soil Test Data**<br>Are current soil test data listed for each field in the plan? Do they look realistic? Are phosphorus levels below 150 ppm or 300 lbs per acre? Any fields above these levels should be flagged for no application.<br>Comments: |
| ☐ | ☐ | ☐ | **6.5. Fertilizer Recommendation Maps or Tables**<br>Are there nutrient recommendation either in map or table format? Do they meet Tri-State Fertility Guide Recommendations? For corn and soybean no field with a soil test phosphorus level of 40 ppm or 80 lbs/ac should be receiving phosphorus. If wheat or alfalfa is in the rotation, soil test values can be 50 ppm or 100 lbs/ac before no P2O5 application.<br><br>Were nitrogen recommendations based on the Economic Threshold model developed by OSU and/or Purdue?<br><br>Comments: |

| | | | |
|---|---|---|---|
| ☐ | ☐ | ☐ | **6.10 Fertilizer Material Annual Summary**<br>If commercial fertilizer is used, this section should contain a summary of the type and quantity of fertilizer.<br>Comments: |
| ☐ | ☐ | ☐ | **6.11 Whole-Farm Nutrient Balance**<br>Does this section contain a table summarizing the nutrients applied to cropland?<br>Comments: |
| **Yes** | **No** | **NA** | **Section 9 Recordkeeping Forms** |
| ☐ | ☐ | ☐ | **Mandatory Recordkeeping:**<br>☐ Soil tests shall be maintained for a minimum of 5 years.<br>☐ Planned and applied rates, methods of application, and timing (month and year) of nutrients applied shall be documented. (Include the 4R's)<br>☐ Maintain records of crops and yields for each field annually.<br><br>Comments: |

General Comments:

# Purdue MMP Data Evaluation

| Yes | No | NA | Open the electronic MMP file<br>(should have been submitted if used to develop the NMP document) |
|---|---|---|---|
| ☐ | ☐ | ☐ | **General Tab:**<br>Is the information on this tab complete and accurate? Is the starting year correct?<br>Comments: |
| ☐ | ☐ | ☐ | **Field Tab:**<br>Are the fields entered correctly? Are the predominate soils entered for each field? Are the farm |

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| | | | number and tract number entered for the fields?<br>Comments: |
| ☐ | ☐ | ☐ | **Assessment Tab:**<br>Are the distance to water and the type of water entered? Is the rest of the data entered including soil loss information? All of this information is necessary to calculate the Ohio Phosphorus Index.<br>Comments: |
| ☐ | ☐ | ☐ | **Soil Test Tab:**<br>Are the soil tests dated within 3 years? Does the data look realistic? (should be no contrived or duplicated data from one field to another. If phosphorus levels are above 150 ppm or 300 lbs per acre they should be marked as not receiving nutrients.<br>Comments: |
| ☐ | ☐ | ☐ | **Crops Tab:**<br>Is the rotation similar to what is in the general description of the NMP document? Are the yield goals for each crop realistic for that area?<br>Comments: |
| ☐ | ☐ | ☐ | **Storage Tab:**<br>Should be empty for a NMP. If manure is involved in this operation it should be a CNMP rather than a NMP<br>Comments: |
| ☐ | ☐ | ☐ | **Animal Tab:**<br>Should be empty for a NMP. If manure is involved in this operation it should be a CNMP rather than a NMP<br>Comments: |
| ☐ | ☐ | ☐ | **Rations Tab:**<br>Should be empty for a NMP. If manure is involved in this operation it should be a CNMP rather than a NMP<br>Comments: |
| ☐ | ☐ | ☐ | **Analysis Tab:**<br>Should be empty for a NMP. If manure is involved in this operation it should be a CNMP rather than a NMP<br>.<br>Comments: |
| ☐ | ☐ | ☐ | **Equipment Tab:**<br>Should be empty for a NMP. If manure is involved in this operation it should be a CNMP rather than a NMP<br>Comments: |
| ☐ | ☐ | ☐ | **Nutrient Management Tab:** |
| ☐ | ☐ | ☐ | □ **In the top section (storage status)** – scroll to the right .<br>Should be empty for a NMP. If manure is involved in this operation it should be a CNMP rather than a NMP |

| | | | |
|---|---|---|---|
| | | | Comments: |
| ☐ | ☐ | ☐ | ☐ **In the center section (field status)** – scroll to the right –<br>○ There should be “F”s in some of the cells indicting that fertilizer applications were made to supplement deficient nutrients. You can tell whether the fertilizer applications are for setbacks or on fields by double clicking on the cell with the “F”. There will be a popup fertilizer application window that will appear. On the lower left, you will see a radial button that indicates whether that application is for the entire field, spreadable acres or non-spreadable acres.<br>○ If the RUSLE2 tool (on the MMP Crops tab) was used, there will be letters that appear in the cells. “P” indicates that the crop was planted that month. “H” indicates harvest. You will just need to use some common sense here.<br>○ Do applications appear to be in order and made at the right time?<br>Comments: |
| ☐ | | ☐ | |

General Comments: