

Chesapeake Bay Program Nutrient Management Phase 5.3.2 Crosswalk [State Name]



In a response to comments from concerned stakeholders regarding the recently approved Phase 5.3.2 Nutrient Management Panel [report](#), the Chesapeake Bay Program partnership agreed to (1) develop a cross walk between the states' nutrient management programs and the adopted Phase 5.3.2 nutrient management tier definitions; (2) identify information/documentation that state programs will use to determine reported acres of nutrient management implementation by the appropriate tiers referenced above; and (3) provide links to the supporting documentation from each of the states. Additionally, in accordance with state Quality Assurance Project Plans, compliance information for each program reporting nutrient management data is specifically requested. In regards to this exercise, compliance is defined as an acre fully meeting the definition and required elements of the nutrient management tier outlined in the nutrient management panel report (definitions can be found on page 13; required elements can be found on pages 61-62). In the absence of state provided compliance information, EPA will use other information (such as the NRCS Conservation Effects Assessment Project studies on Chesapeake cropland, EPA's recent animal agriculture program assessments, etc.) to estimate nutrient management compliance within states lacking their own compliance information. This documentation will supplement BMP data submissions for the recently approved Nutrient Management tiers and will be used to justify the crediting of the reported acres of nutrient management by tier, thereby providing confidence in the acres credited under each tier level.

The information provided by jurisdictions in this document should reflect the annual progress reporting time period from July 1, 2014 through June 30, 2015.

Program Information: Please provide the following information for the Nutrient Management Programs that you are using to track, report, and justify reported acres for each nutrient management tier. The description should be detailed enough to explain how the program standards meet the required elements for the specific nutrient management tier(s) addressed. If the jurisdiction does not have information on a compliance program or documentation to support compliance levels, enter "not available" for questions below.

Program #1:

Program Name: [Enter text here]

Type of Program (select one): Choose an item.

October, 2015

Reference information for Program (Links to laws, regulations, program guidance): [Enter text here]

Brief Description of Program: [Enter text here]

What Nutrient Management Tier(s) does this apply to? Select all that apply.

☐ Tier 1

☐ Tier 2

☐ Tier 3

Program #2:

Program Name: [Enter text here]

Type of Program (select one): Choose an item.

Reference information for Program (Links to laws, regulations, program guidance): [Enter text here]

Brief Description of Program: [Enter text here]

What Nutrient Management Tier(s) does this apply to? Select all that apply.

☐ Tier 1

☐ Tier 2

☐ Tier 3

Program #3:

Program Name: [Enter text here]

Type of Program (select one): Choose an item.

Reference information for Program (Links to laws, regulations, program guidance): [Enter text here]

Brief Description of Program: [Enter text here]

What Nutrient Management Tier(s) does this apply to? Select all that apply.

☐ Tier 1

☐ Tier 2

☐ Tier 3

Program #4:

Program Name: [Enter text here]

Type of Program (select one): Choose an item.

Reference information for Program (Links to laws, regulations, program guidance): [Enter text here]

Brief Description of Program: [Enter text here]

What Nutrient Management Tier(s) does this apply to? Select all that apply.

☐ Tier 1

☐ Tier 2

☐ Tier 3

October, 2015

Program #5:

Program Name: [Enter text here]

Type of Program (select one): Choose an item.

Reference information for Program (Links to laws, regulations, program guidance): [Enter text here]

Brief Description of Program: [Enter text here]

What Nutrient Management Tier(s) does this apply to? Select all that apply.

☐ Tier 1 ☐ Tier 2 ☐ Tier 3

Program #6:

Program Name: [Enter text here]

Type of Program (select one): Choose an item.

Reference information for Program (Links to laws, regulations, program guidance): [Enter text here]

Brief Description of Program: [Enter text here]

What Nutrient Management Tier(s) does this apply to? Select all that apply.

☐ Tier 1 ☐ Tier 2 ☐ Tier 3

Section 1: Tier 1 Program and Compliance Information

1.1: Select all elements of a Tier 1 Nutrient Management Plan that are captured by each Nutrient Management Program listed in Section 1. These represent the required elements outlined Section 6.1 in the CBP-approved Nutrient Management Panel [report](#). Note: if Tier 2 acres will be reported, this section must be completed since all elements of Tier 1 must be met in order to move to Tier 2. Check all that apply.

Tier 1 Elements of Plan	Program #1	Program #2	Program #3	Program #4	Program #5	Program #6
A. Available in electronic or paper format	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Developed cooperatively by trained professional and farmer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Expiration date no longer than 3 years after written	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Uses soil lab analysis from farm samples to inform nutrient application rates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Crop yields estimated based on records or soil productivity estimates for whole farm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

F. Nutrient applications adhere to contemporary Land Grant University specifications for N rate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. P fertilizers applied at a rate consistent with contemporary Land Grant University recommendations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H. Nutrient application timing is considered to further reduce N and P losses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1.2: Please provide the following information related to compliance assessments for each Nutrient Management Program operating under Tier 1 program listed in Section 1. If the state and/or federal program does not have a compliance program or compliance documentation, enter “not available” for questions below.

- 1) For the acres covered under the program, what percentage is inspected annually to assess compliance?
[Enter text here].
- 2) What Tier 1 elements are assessed during the inspection to ensure compliance (For example, on-farm records, soil and manure analyses, land application records, etc.)?
[Enter text here].
- 3) Are field assessments conducted to assess whether the nutrient management plan is being followed and fully implemented? If so, describe the scope of these assessments.
[Enter text here].
- 4) What is your estimated compliance level for this Tier of nutrient management and how did you estimate it (for time period from July 1, 2014 through June 30, 2015)?
[Enter text here].
- 5) Provide relevant documentation supporting the compliance assessment.
[Enter text here].
- 6) Other information (optional).
[Enter text here].

Section 2: Tier 2 Program and Compliance Information

2.1: Select all elements of a Tier 2 Nutrient Management Plan that are captured by each Nutrient Management Program listed in Section 1. These represent the required elements outlined in Section 6.1 in the CBP-approved Nutrient Management Panel [report](#). Note: if Tier 3 acres will be reported, this section must be completed since all elements of Tier 2 must be met in order to move to Tier 3. Check all that apply.

Tier 2 Elements of Plan	Program #1	Program #2	Program #3	Program #4	Program #5	Program #6
A. All elements of a Tier 1 plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Uses soil lab analysis from farm samples to inform application rates of nutrients	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. If soil test levels of P warrant P risk assessment (or P-index), one is performed and recommendations to reduce losses are followed for entirety of plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Crop yields estimated based on records or soil productivity estimates for each field using contemporary guidelines from state programs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Nutrient applications do not exceed contemporary Land Grant University specifications for N and P (including manure)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. Fertilizer and manure applications are timed and placed to reduce risk of N and P loss	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2.2: Please provide the following information related to compliance assessments for each Nutrient Management Program operating under a Tier 2 program listed in Section 1. If the state does not have a compliance program, enter “not available” for questions below.

- 1) For the acres covered under the program, what percentage is inspected annually to assess compliance?
[Enter text here].
- 2) What Tier 2 elements are assessed during the inspection to ensure compliance (For example, farm records, soil and manure analyses, land application records, etc.)?
[Enter text here].

- 3) Are field assessments conducted to assess whether the nutrient management plan is being followed and fully implemented? If so, describe the scope of these assessments.
[Enter text here].
- 4) What is your estimated compliance level for this Tier of nutrient management and how did you estimate it (for time period from July 1, 2014 through June 30, 2015)?
[Enter text here].
- 5) Provide relevant documentation supporting the compliance assessment.
[Enter text here].
- 6) What is the level of compliance for acres where soil test levels of P warrant a P risk assessment (or P-index), one is performed, and the recommendations to reduce losses are followed for the entirety of the plan?
[Enter text here].
- 7) Other information (optional).
[Enter text here].

Section 3: Tier 3 Program and Compliance Information

3.1: Select all elements of a Tier 3 Nutrient Management Plan that are captured by each Nutrient Management Program listed in Section 1. These represent the required elements outlined Section 6.1 in the CBP-approved Nutrient Management Panel [report](#). Check all that apply.

Tier 3 Elements of Plan	Program #1	Program #2	Program #3	Program #4	Program #5	Program #6
A. All elements of a Tier 1 and Tier 2 plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Variable rate applications of N on each field were performed resulting in a net change of N rates for the field	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. An ISNT, CSNT, PSNT, or FSNT was performed resulting in a net change in N rates for the field ¹	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

¹ Where ISNT refers to the Illinois Soil Nitrogen Test, CSN refers to Corn Stalk Nitrate Test, PSNT refers to Pre-side dress Nitrate test, and FSNT refers to Fall Soil Nitrate test.

3.2: Please provide the following information related to compliance assessments for each Nutrient Management Program operating under a Tier 3 program listed in Section 1. If the state does not have a compliance program, enter “not available” for questions below.

- 1) For the acres covered under the program, what percentage is inspected annually to assess compliance?
[Enter text here].
- 2) What Tier 3 elements are assessed during the inspection to ensure compliance (For example, farm records, soil and manure analyses, land application records, etc.)?
[Enter text here].
- 3) Are field assessments conducted to assess whether the nutrient management plan is being followed and fully implemented? If so, describe the scope of these assessments.
[Enter text here].
- 4) What is your estimated compliance level for this Tier of nutrient management and how did you estimate it (for time period from July 1, 2014 through June 30, 2015)?
[Enter text here].
- 5) Provide relevant documentation supporting the compliance assessment.
[Enter text here].
- 6) Other information (optional).
[Enter text here].

Section 5: Additional Comments and Information (Optional)

[Enter text here].

October, 2015

Note that this document should be completed and returned to the Chesapeake Bay Program by no later than COB Friday, November 6, 2016. Please email as an attachment to Lindsey Gordon (Gordon.lindsey@epa.gov) and Mark Dubin (mdubin@chesapeakebay.net). Feel free to direct any questions or concerns to the Nutrient Management Task Force members, listed below:

Lindsey Gordon, CRC Staff

Gordon.lindsey@epa.gov

Mark Dubin, UMD

mdubin@chesapeakebay.net

Kristen Saacke Blunk, Headwaters LLC

kristen@headwaters-LLC.org

John Rhoderick, MDA

john.rhoderick@maryland.gov

Ann Swanson, Chesapeake Bay Commission

aswanson@chesbay.us

Marel King, Chesapeake Bay Commission

mking@chesbay.us

Kelly Shenk, U.S. EPA

Shenk.Kelly@epamail.epa.gov

Marcia Fox, Delaware DNREC

Marcia.fox@state.de.us

Jenn Volk, UD

jennvolk@udel.edu