

# PA BMP Verification Program Checklist

## Jurisdictional BMP Verification Program Checklist

**Sector(s):** Agriculture, Stormwater and Wastewater

**QAPP Title:** 1. Procedures for Reporting BMP Implementation Data to the Chesapeake Bay Program Office, Updated January 2015 (Note: This contains information on agricultural and stormwater BMPs) with an Addendum dated June 30, 2015

2. Quality Assurance Project Plan for Reporting of Pennsylvania NPDES Point Source Data to EPA's Chesapeake Bay Program, dated December 2014 (Note: This contains information on point sources and is also referred to as PS QAPP in other sections of this checklist)

	BMP Verification Component	QAPP Section
<b>1</b>	<b>BMP's Collected</b>	
	Type (structural, management, annual, etc.)	<i>Agriculture and Stormwater:</i> Sections IV and V of the QAPP Addendum (dated June 30, 2015)  <i>Wastewater:</i> PS QAPP (dated December 2014)
	BMP Funding/Cost shared (federal, state, NGO, non-cost shared)	<i>Agriculture and Stormwater:</i> Sections IV and V of the QAPP Addendum (dated June 30, 2015)
	Distinct state standards/specifications	<i>Agriculture and Stormwater:</i> Sections IV and V of the QAPP Addendum (dated June 30, 2015)  <i>Wastewater:</i> PS QAPP (dated December 2014)
	Matching CBP BMP definition/efficiencies	<i>Agriculture and Stormwater:</i> Sections IV and V of the QAPP Addendum (dated June 30, 2015)
<b>2</b>	<b>Method/System of Verification/Assessment</b>	
	Description of methods/systems to be used	<i>Agriculture and Stormwater:</i> Sections IV, V and VII of the QAPP Addendum (dated June 30, 2015)  <i>Wastewater:</i> PS QAPP (dated December 2014)
	Documentation of procedures used to verify BMPs	<i>Agriculture and Stormwater:</i> Sections IV, V and VII of the QAPP Addendum (dated June 30, 2015)  <i>Wastewater:</i> PS QAPP (dated December 2014)
	Instruction manual for system users	QAPP, as updated January 2015
<b>3</b>	<b>Who will Complete the Verification</b>	
	Qualification requirements	<i>Agriculture and Stormwater:</i> Sections IV, V and VII of

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	<b>BMP Verification Component</b>	<b>QAPP Section</b>
		the QAPP Addendum (dated June 30, 2015)  <i>Wastewater:</i> PS QAPP (dated December 2014)
	Training requirements	<i>Agriculture and Stormwater:</i> Sections IV, V and VII of the QAPP Addendum (dated June 30, 2015)  <i>Wastewater:</i> PS QAPP (dated December 2014)
	Certification requirements	<i>Agriculture and Stormwater:</i> Sections IV, V and VII of the QAPP Addendum (dated June 30, 2015)  <i>Wastewater:</i> PS QAPP (dated December 2014)
	CEU follow-up training requirements in the future	Not considered
<b>4</b>	<b>Documentation of Verification Finding</b>	
	Date of installation	<i>Agriculture and Stormwater:</i> Sections IV, V and VII of the QAPP Addendum (dated June 30, 2015)  <i>Wastewater:</i> PS QAPP (dated December 2014)
	Location (lat/long if applicable)	QAPP, as updated January 2015
	Level of reporting (watershed, HUC, county, site specific, etc.)	QAPP, as updated January 2015
	Units (number, acres, length, etc.) needed for NEIEN	QAPP, as updated January 2015
	Ownership (public, private)	QAPP, as updated January 2015
	Documentation:	QAPP, as updated January 2015
	Pictures	Not considered
	Worksheets	Under development
	Electronic Tool	Under development (see Section VII of QAPP Addendum dated June 30, 2015)

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	<b>BMP Verification Component</b>	<b>QAPP Section</b>
	Aerial Photos	Section VII of the QAPP Addendum dated June 30, 2015
	Maps	Not considered
	Other	Not considered
	Report Generator	Not considered
<b>5</b>	<b>How Often Reviewed (Cycle of review)</b>	
	1-2 years	<i>Agriculture and Stormwater:</i> Sections IV and V of the QAPP Addendum (dated June 30, 2015)  <i>Wastewater:</i> PS QAPP (dated December 2014)
	5 years	<i>Agriculture and Stormwater:</i> Sections IV and V of the QAPP Addendum (dated June 30, 2015)  <i>Wastewater:</i> PS QAPP (dated December 2014)
	10 years	<i>Agriculture and Stormwater:</i> Sections IV and V of the QAPP Addendum (dated June 30, 2015)  <i>Wastewater:</i> PS QAPP (dated December 2014)
	Other	<i>Agriculture and Stormwater:</i> Sections IV and V of the QAPP Addendum (dated June 30, 2015)  <i>Wastewater:</i> PS QAPP (dated December 2014)
<b>6</b>	<b>Independent Verification of Finding</b>	
	Is this a requirement?	<i>Agriculture and Stormwater:</i> Sections IV and V of the QAPP Addendum (dated June 30, 2015)  <i>Wastewater:</i> PS QAPP (dated December 2014)
	Internal Independent	<i>Agriculture and Stormwater:</i> Sections IV and V of the QAPP Addendum (dated June 30, 2015)

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	<b>BMP Verification Component</b>	<b>QAPP Section</b>
		<i>Wastewater: PS QAPP (dated December 2014)</i>
	External Independent	<i>Agriculture and Stormwater: Sections IV and V of the QAPP Addendum (dated June 30, 2015)</i> <i>Wastewater: PS QAPP (dated December 2014)</i>
<b>BMP Data Validation</b>		
<b>7</b>	<b>Quality Assurance/Spot Checking</b>	
	Who-qualifications/training/certification	<i>Agriculture and Stormwater: Sections IV and V of the QAPP Addendum (dated June 30, 2015)</i> <i>Wastewater: PS QAPP (dated December 2014)</i>
	Method to select BMP for follow-up check	<i>Agriculture and Stormwater: Sections IV and V of the QAPP Addendum (dated June 30, 2015)</i> <i>Wastewater: PS QAPP (dated December 2014)</i>
	Method to select the number of BMPs to review	<i>Agriculture and Stormwater: Sections IV and V of the QAPP Addendum (dated June 30, 2015)</i> <i>Wastewater: PS QAPP (dated December 2014)</i>
	Other	
<b>8</b>	<b>Data Entry of BMP Implementation</b>	
	What is the system?	<i>Agriculture and Stormwater: Sections IV and V of the QAPP Addendum (dated June 30, 2015)</i> <i>Wastewater: PS QAPP (dated December 2014)</i>
	Who enters data (training/certification)?	<i>Agriculture and Stormwater: Sections IV and V of the QAPP Addendum (dated June 30, 2015)</i>

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	<b>BMP Verification Component</b>	<b>QAPP Section</b>
		<i>Wastewater:</i> PS QAPP (dated December 2014)
	Does the system connect to NEIEN?	No systems connect to NEIEN
	System in place prevent double counting	Agriculture and Stormwater: Sections IV and V of the QAPP Addendum (dated June 30, 2015)  Wastewater: PS QAPP (dated December 2014)
<b>9</b>	<b>External Provided Data Validation Meeting CBP Partnership Guidance</b>	
	Method to validate data	Agriculture and Stormwater: Sections IV and V of the QAPP Addendum (dated June 30, 2015)  Wastewater: PS QAPP (dated December 2014)
	Who will validate data (training/certification)?	Agriculture and Stormwater: Sections IV and V of the QAPP Addendum (dated June 30, 2015)  Wastewater: PS QAPP (dated December 2014)
<b>10</b>	<b>Historic Data Verification</b>	
	System to re-certify or remove	Agriculture and Stormwater: Sections IV and V of the QAPP Addendum (dated June 30, 2015)  Wastewater: PS QAPP (dated December 2014)
	Who will verify historic data training/certification)?	<i>Agriculture and Stormwater:</i> Sections IV and V of the QAPP Addendum (dated June 30, 2015)  <i>Wastewater:</i> PS QAPP (dated December 2014)
	Documentation of action	Agriculture and Stormwater: Sections IV and V of the QAPP Addendum (dated June 30, 2015)  Wastewater: PS QAPP (dated December 2014)

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	<b>BMP Verification Component</b>	<b>QAPP Section</b>
	<b>BMP Performance</b>	
<b>11</b>	Does state collect data to assess BMP Performance?	No
	System used to collect BMP performance data?	No
	Who collects BMP performance data?	No
	Who analyses collected data and report to CBP?	Not done

Source: Derived from Table 7 and Appendix Q in CBP 2014.