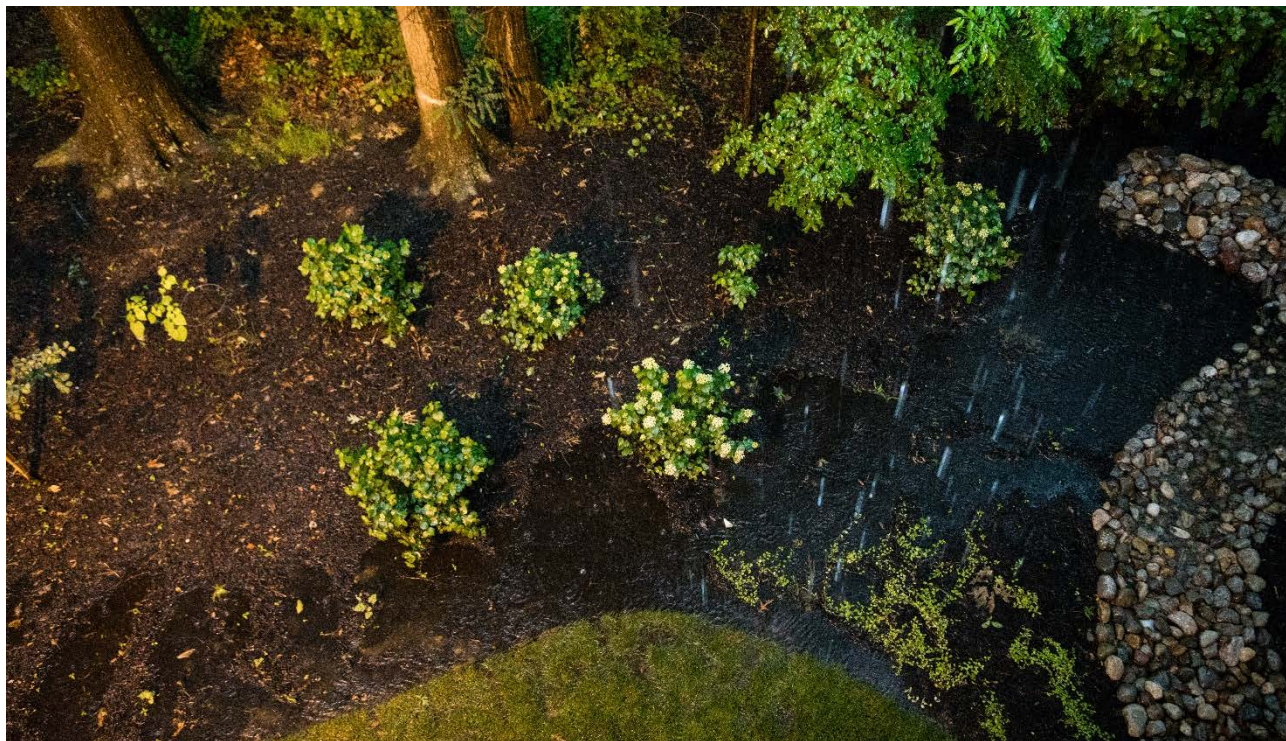
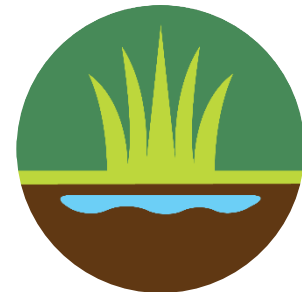




Chesapeake Bay Action Team (CBAT)

# BMP Inspection, Maintenance, & Verification

October 26, 2017



# Presentation Outline

- Background & Purpose
- Importance of Inspection & Maintenance
- Jurisdiction Guidance & Requirements
- Reporting in the BMP Datacall
  - Resources
  - Strategies for Success
- Conclusion

# Background & Purpose

## Background

To meet the goals of the Chesapeake Bay total maximum daily load (TMDL), stormwater permits, and DoD-specific policies, DoD must implement BMPs to manage stormwater runoff

## Purpose

To retain credit, BMPs must be properly maintained and inspected, and those actions must be reported

Future reporting will require complete and accurate records of inspection, maintenance, and verification of BMPs

# Why Verify?

In 2013, Urban Stormwater Workgroup (USWG) convened the **BMP Verification Review Panel** and developed guidance for BMP verification.

**verification** | the process through which agency partners ensure practices, treatments, and technologies resulting in reductions of nitrogen, phosphorus, and/or sediment pollutant loads are implemented and operating correctly.

Credit is renewed or extended based on a visual inspection (or other method) to verify the BMP exists and functioning properly.

Based on CBP guidance, verification systems will be developed and finalized by the jurisdiction.

# Inspection, Maintenance, & Reporting are Key

## Localities & Installations

To ensure **return on investment** for BMPs installed to reduce pollutant loads and **retain credit** for the Bay TMDL, inspections & maintenance must be performed and documented



## Chesapeake Bay Program

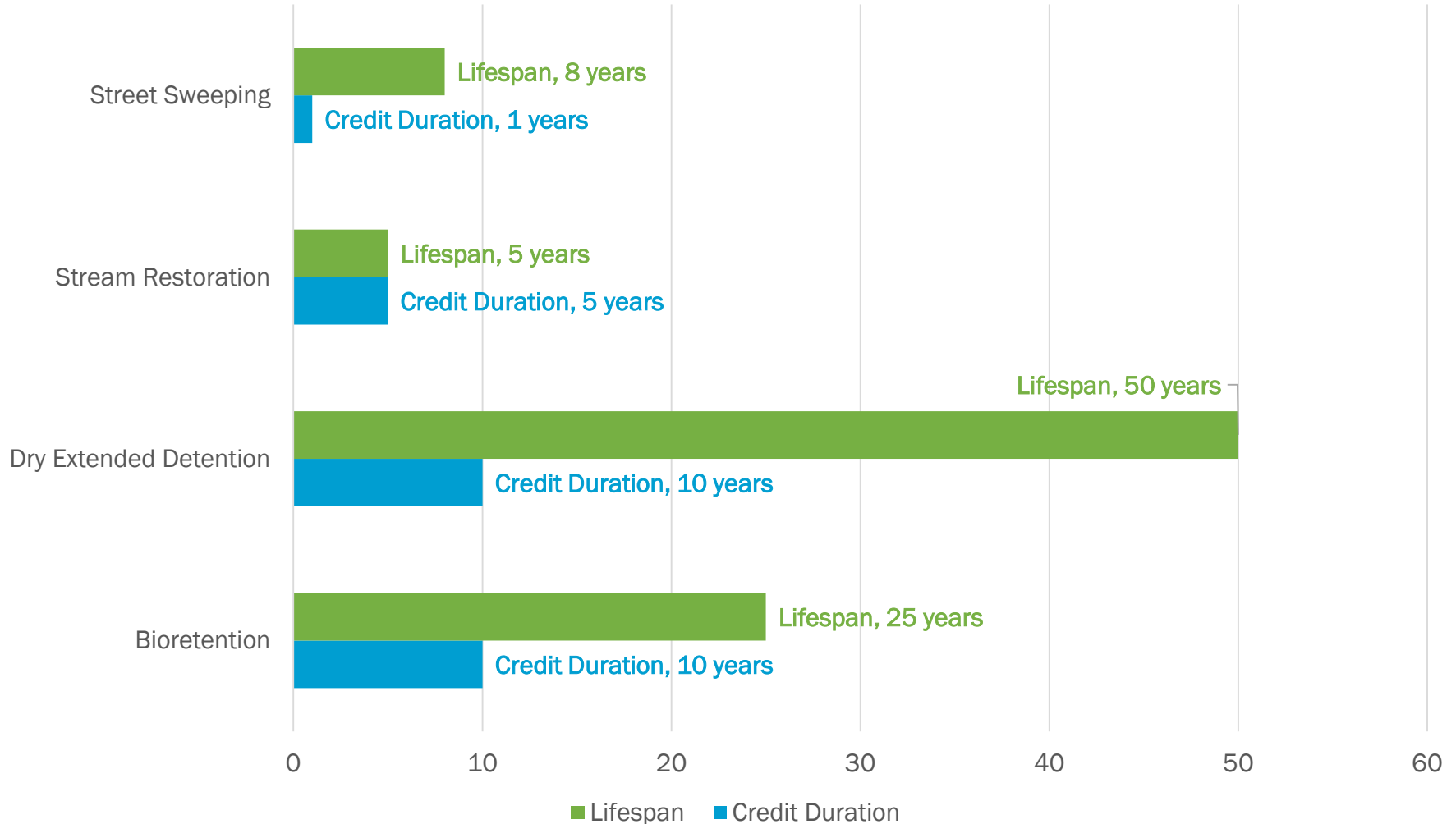
To ensure reported BMPs exist and function as intended over their design life, verification is necessary

Reported BMPs only translate to **long-term water quality outcomes** if they continue to remove pollutants at the documented efficiencies





# CBP BMP Lifespan & Credit Duration



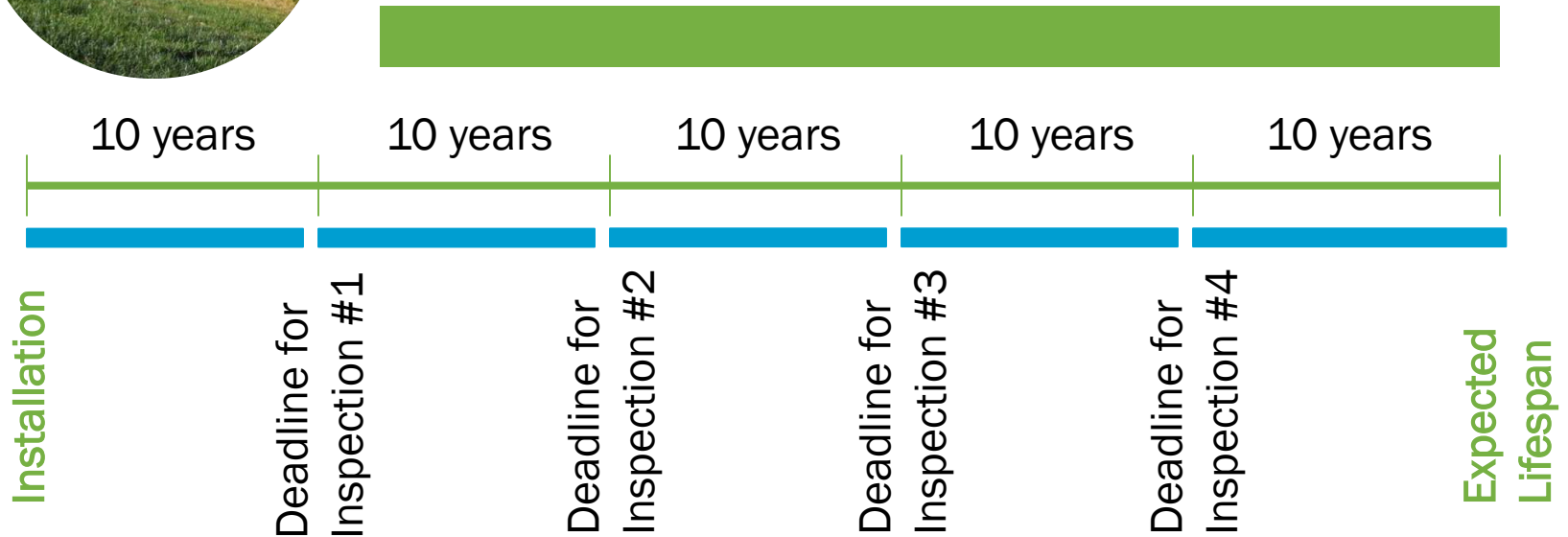
# CBP BMP Lifespan & Inspection



## Dry Extended Detention Basin

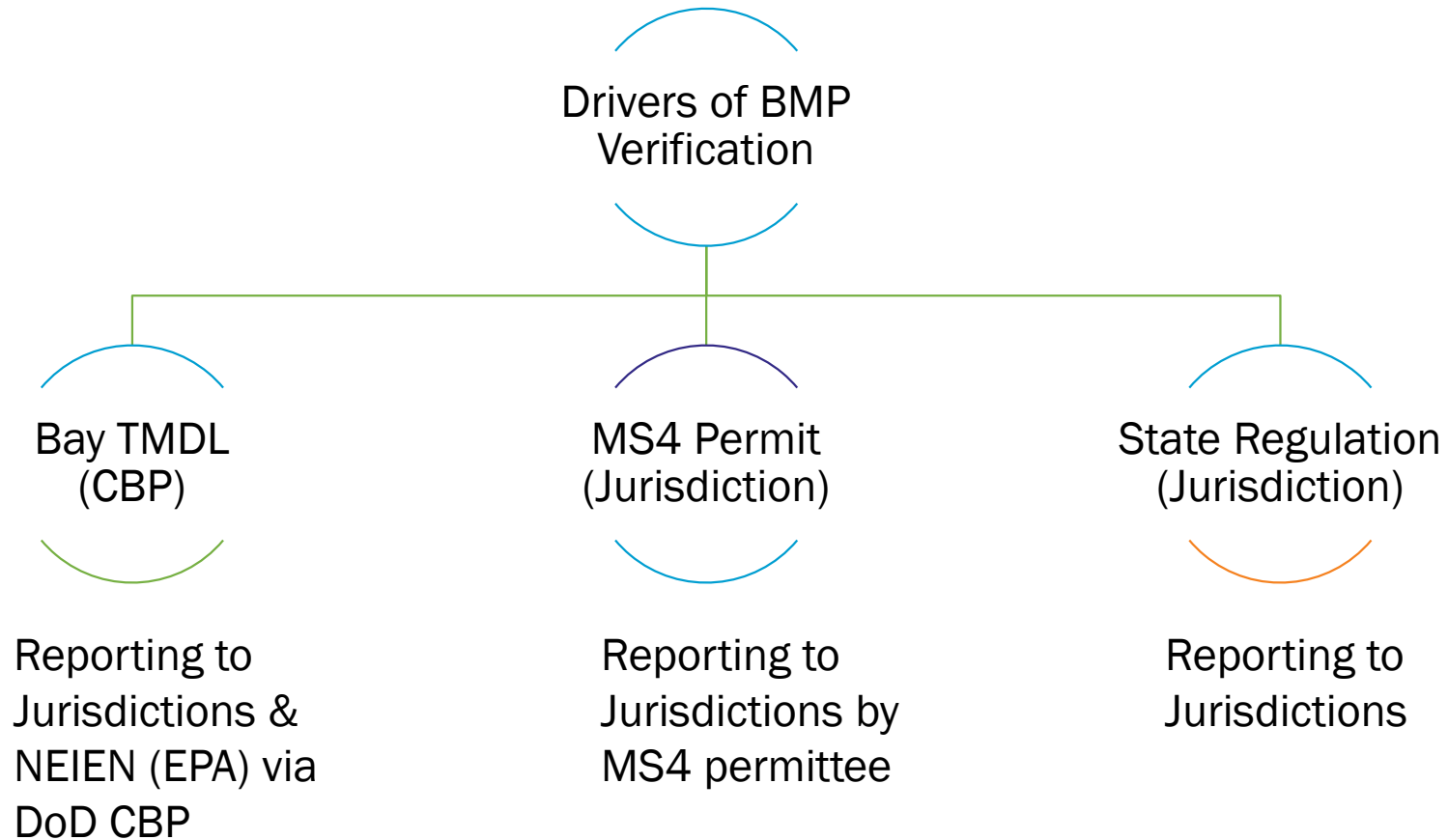
Lifespan: 50 years

Credit Duration: 10 years



- ✓ Meet inspection dates, maintain credit
- ✗ Don't conduct inspections or take corrective action for failed inspections, lose credit

# Jurisdiction Guidance





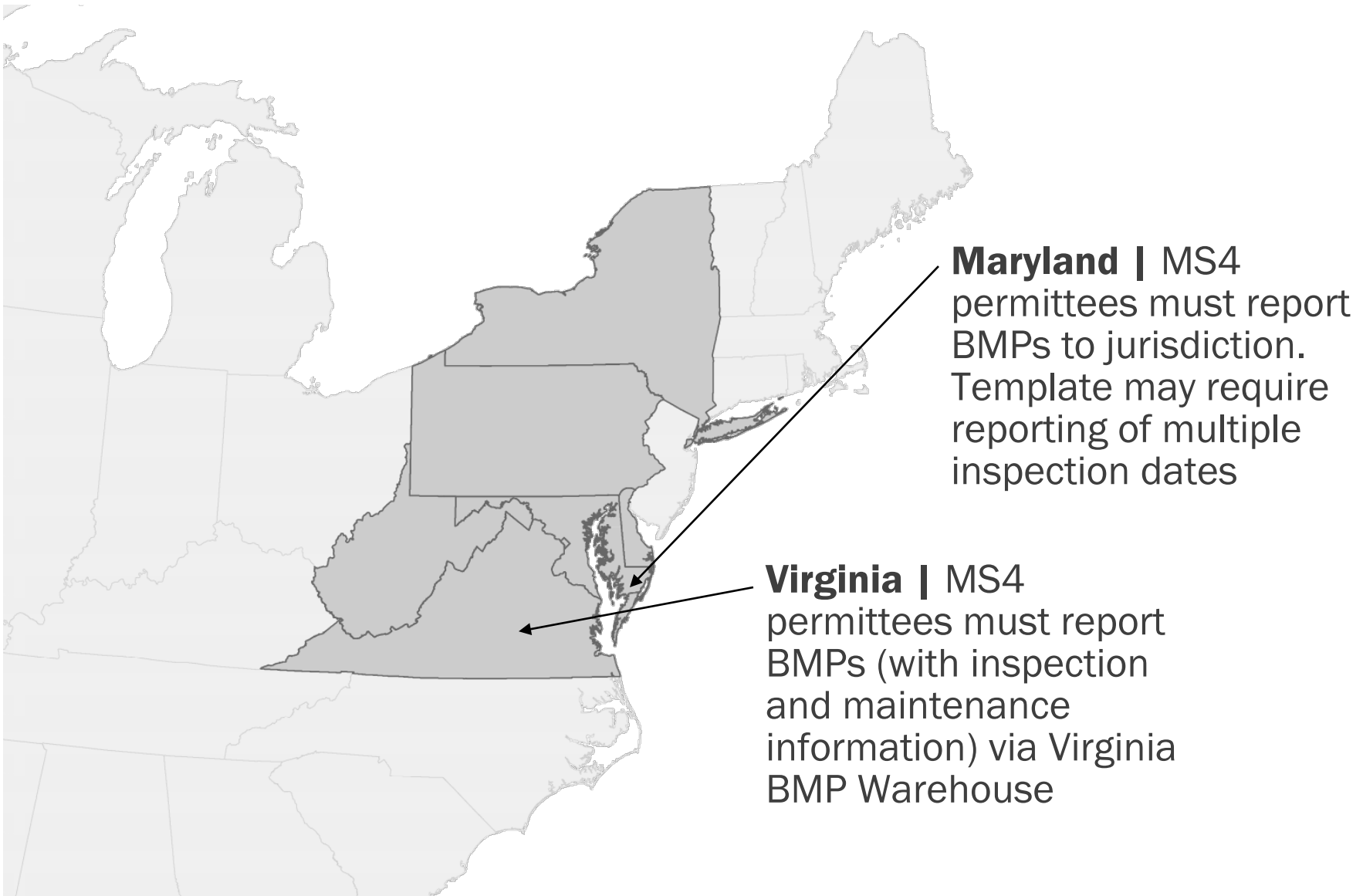
# Jurisdiction Requirements

State	Source	Minimum Inspection Frequency	Maintain Records	Annual Reporting?
Virginia	VSMP	5 years	5 years	Yes
Maryland	MS4	3 years	3 years	Yes
Pennsylvania	MS4	Annually (year 0 – 5) 3 years (year 5+)	3 years	Yes
Washington, D.C.	MS4	Varies	3 years	Yes
West Virginia	MS4	5 years	3 years	Yes
New York	MS4	Varies	5 years	Yes

Annual reporting requirements include a combination of:

- Owner information
- Inspection record
- Enforcement mechanism and actions (if applicable)

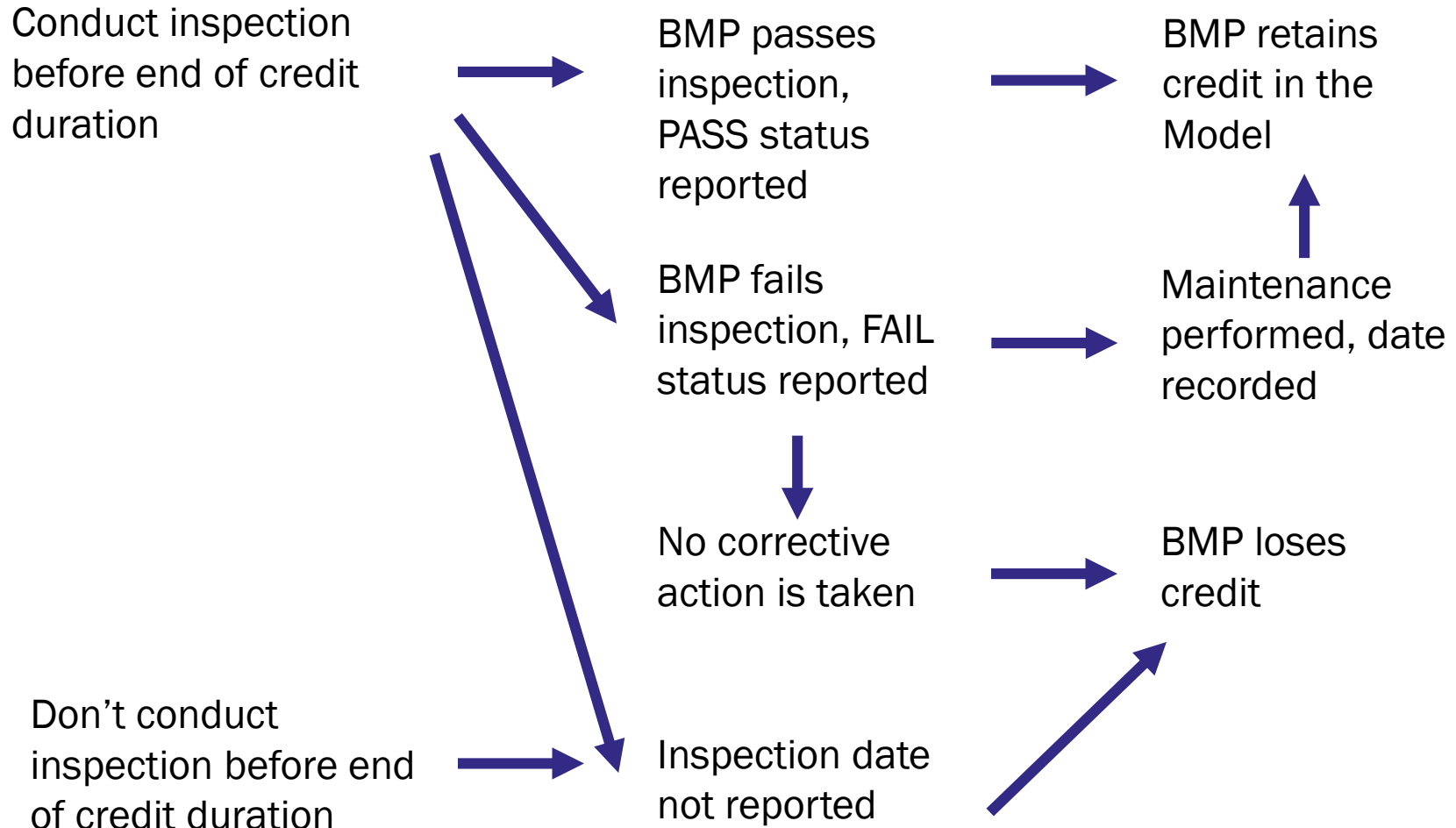
# Upcoming Changes to CBP Reporting



**Maryland** | MS4 permittees must report BMPs to jurisdiction. Template may require reporting of multiple inspection dates

**Virginia** | MS4 permittees must report BMPs (with inspection and maintenance information) via Virginia BMP Warehouse

# BMP Verification in Virginia



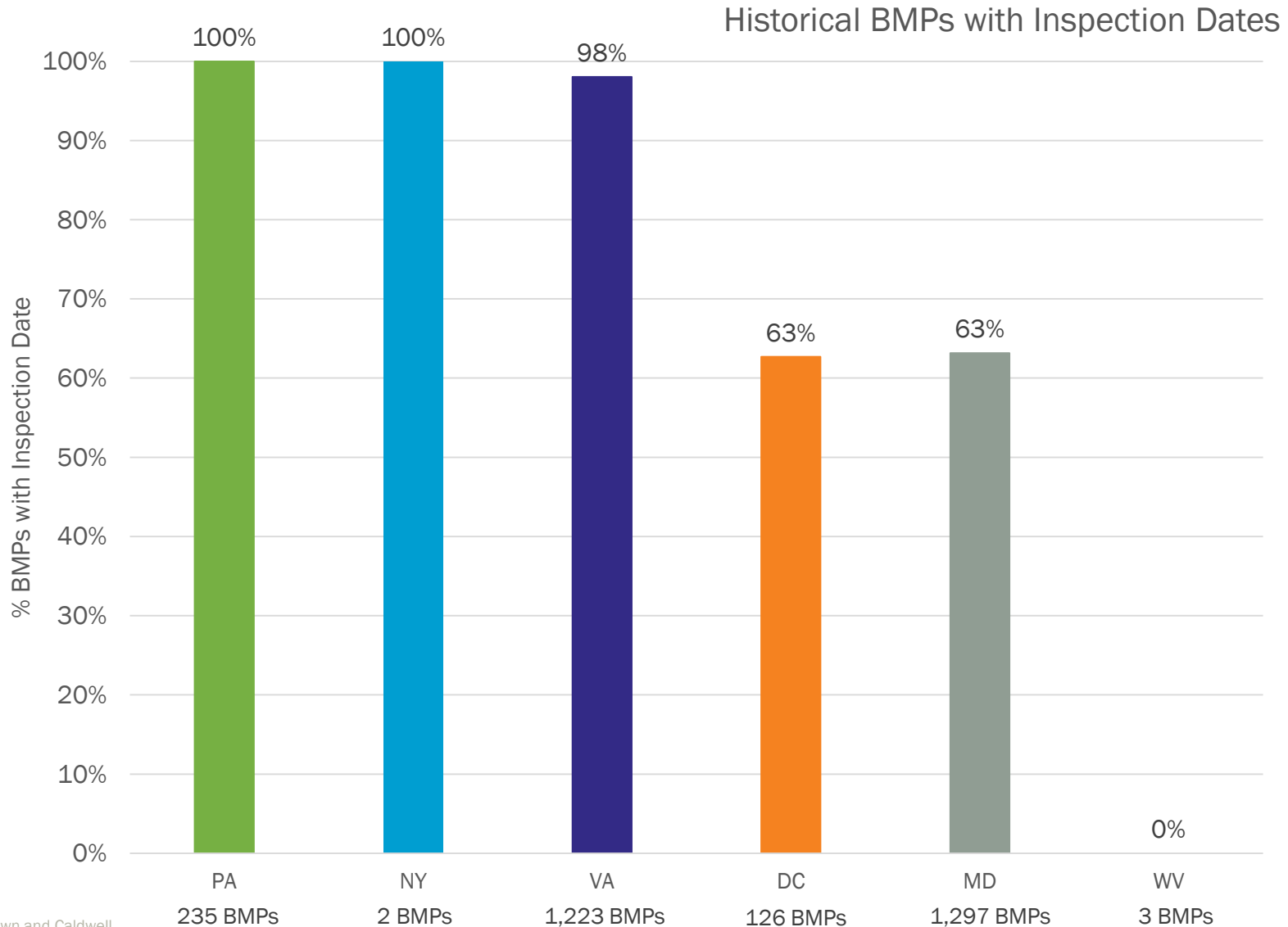
# Current BMP Datacall

FY17 datacall templates included fields related to BMP inspection and maintenance, such as:

- ✓ BMP type
- ✓ BMP location
- ✓ BMP installation date
- ✓ Inspection date
- ✓ BMP status (PASS/FAIL)
- ✓ Maintenance date

Requested fields vary by jurisdiction.

# Current BMP Datacall



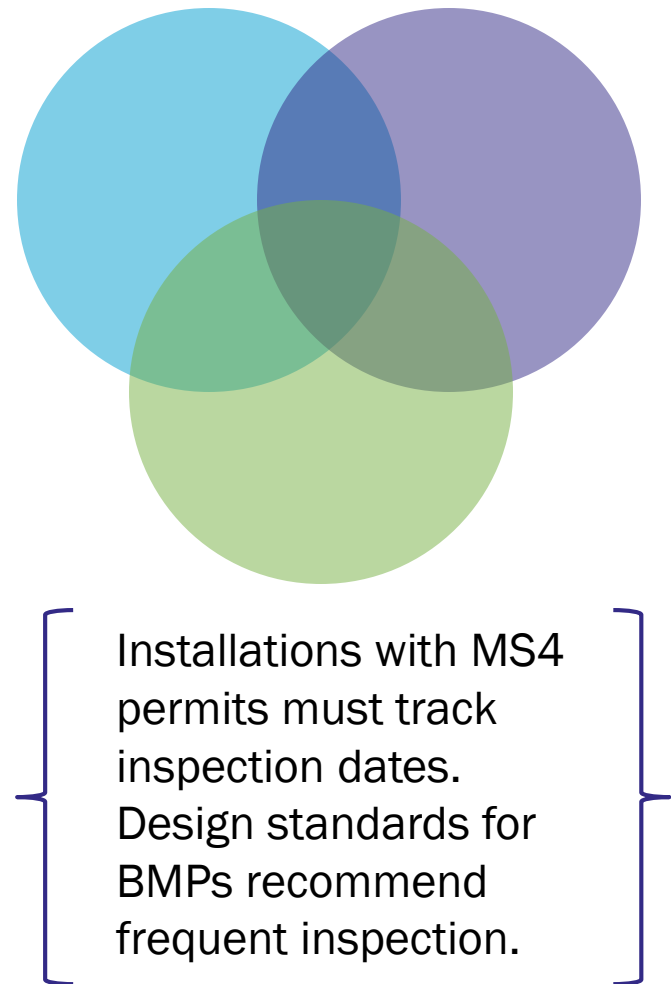
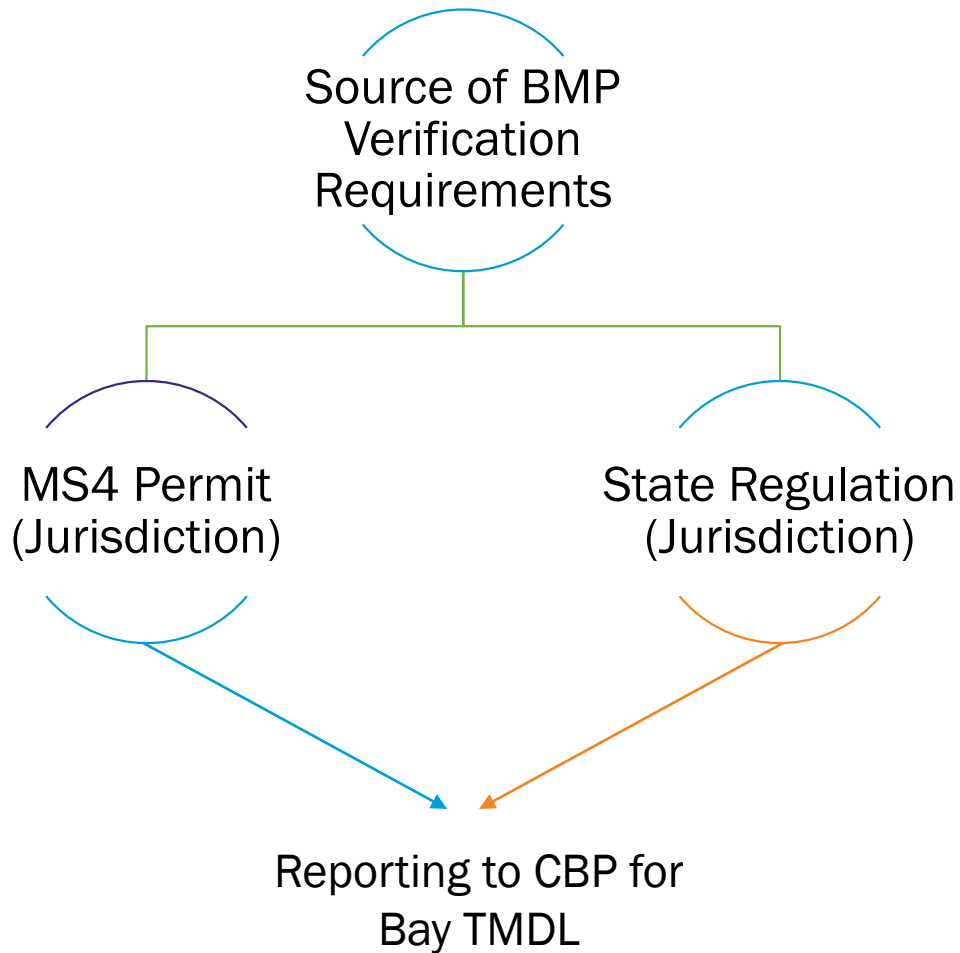
# Looking Forward: FY18 Datacall

Inspection and maintenance information **will be required** in the FY18 datacall. To prepare:

1. Separate consolidated BMP records into individual records (one BMP per row)
2. Begin compiling information about past inspections and maintenance
3. Document inspection and maintenance to be performed in the next year
4. Leverage existing BMP records



# Leverage Existing BMP Records



# Assistance from DoD CBP

How can the DoD CBP assist you in your preparations?

- Highlight BMPs in datacall that are in danger of losing credit if inspection data are not provided
- Provide information about BMP verification procedures

# Conclusion

- Next year's datacall will emphasize inspection and maintenance dates or other required information
- Timely & accurate completion and reporting of these activities are key to maintaining credit for BMPs installed at DoD installations


## Start now!

Contact the DoD CBP if you have any questions.





# QUESTIONS?



If you are interested in a report of the BMPs submitted to the jurisdiction from your installation in the BMP datacall, please contact Adam Wright ([adam.g.wright@navy.mil](mailto:adam.g.wright@navy.mil)) or Sarah Diebel ([sarah.diebel@navy.mil](mailto:sarah.diebel@navy.mil))