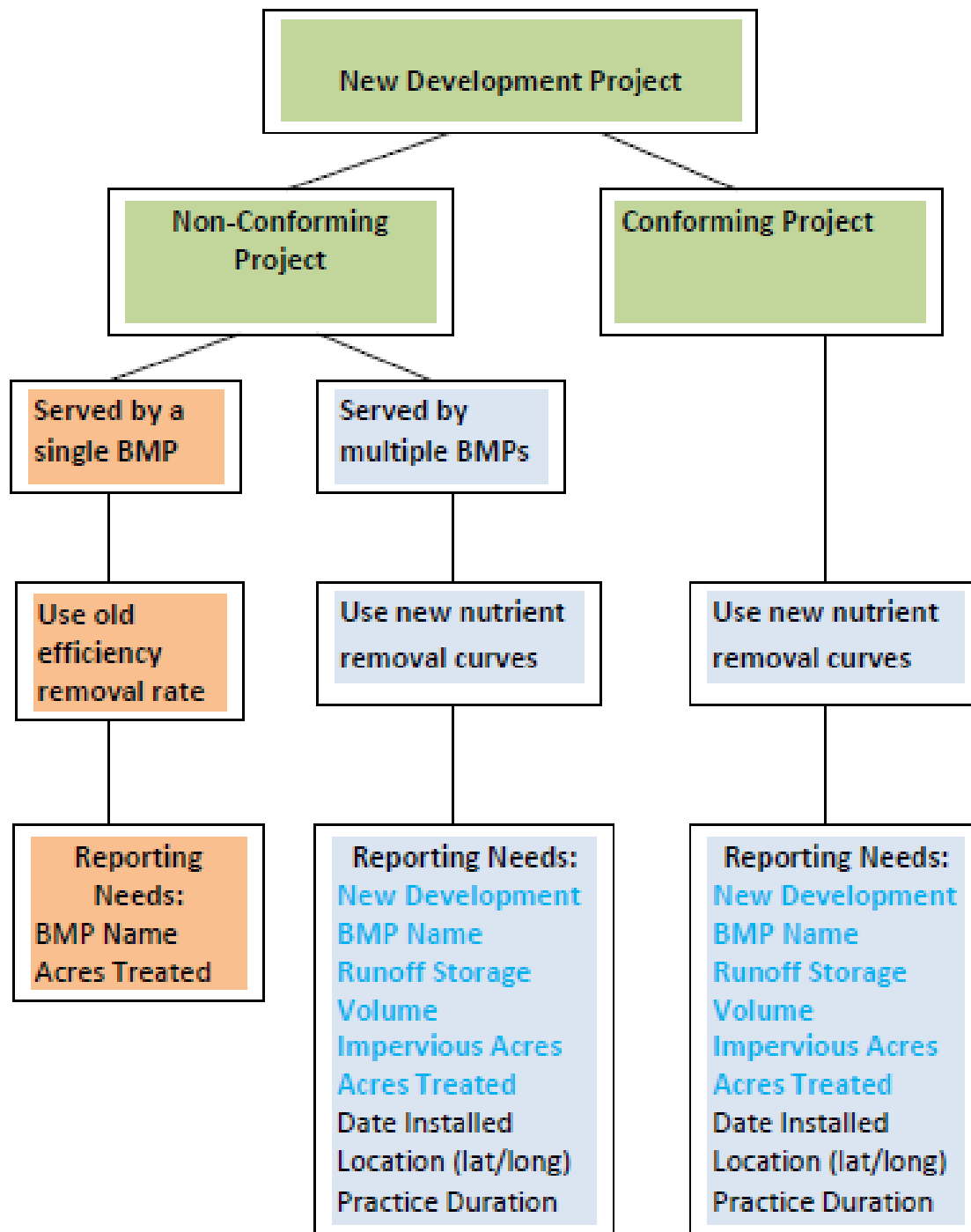


Stormwater Performance Standards Reporting Explained

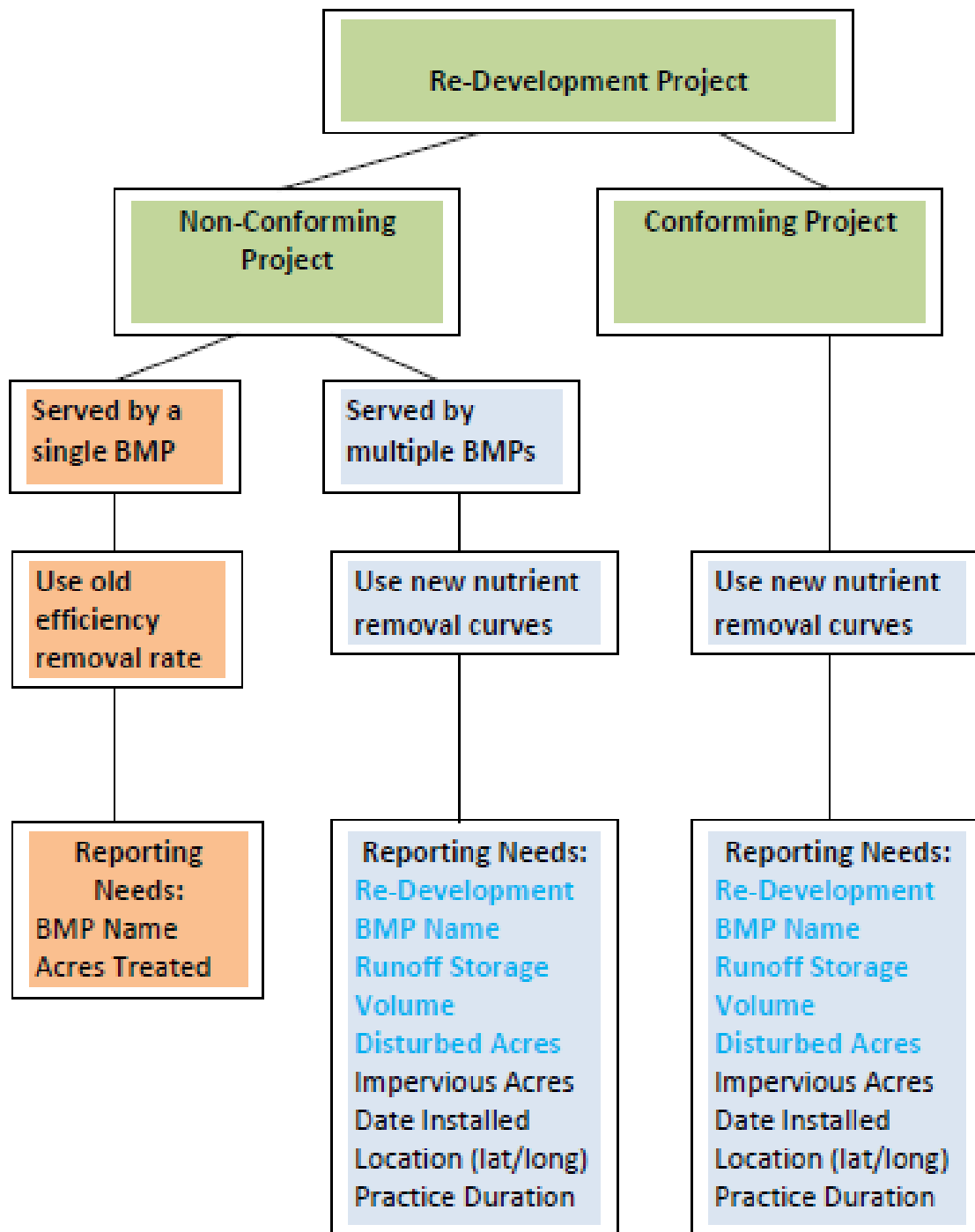
Matt Johnston
Non-Point Source Analyst
Chesapeake Bay Program
University of Maryland

New Development and Re-Development

- **New Development:** self-explanatory
- **Re-Development:** the process whereby an existing development is adaptively reused, rehabilitated, restored, renovated, and/or expanded, which results in the disturbance of a defined footprint at the site.



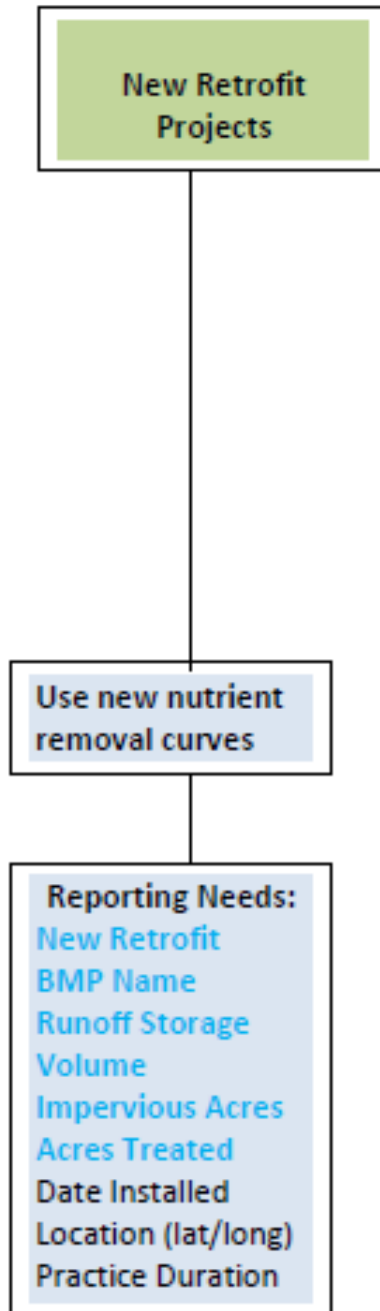
New Development:
self-explanatory



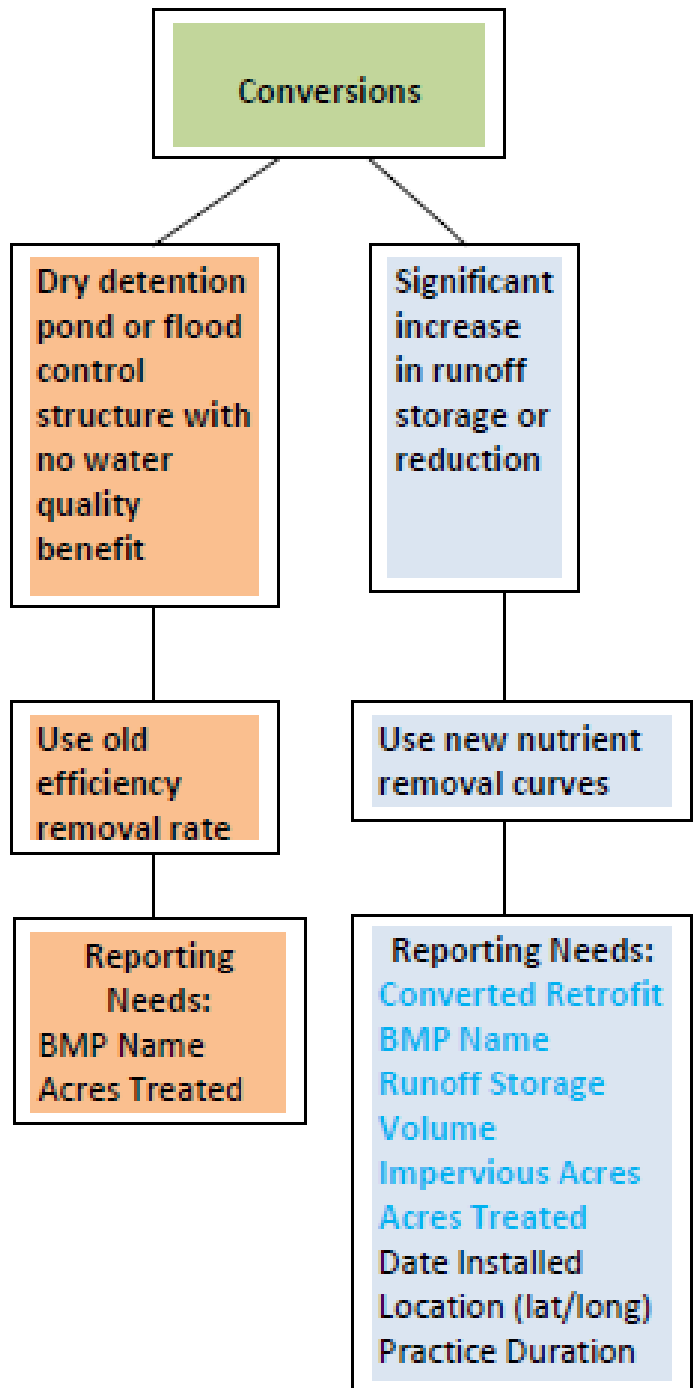
Re-Development: the process whereby an existing development is adaptively reused, rehabilitated, restored, renovated, and/or expanded, which results in the disturbance of a defined footprint at the site.

Retrofits

- **New Retrofit:** includes new projects that create storage to reduce nutrients from existing developed land that is NOT currently receiving any stormwater treatment.
- **Existing Retrofit:** where an existing BMP is either;
 - Converted into a different BMP that employs more effective treatment.
 - Enhanced by increasing its treatment volume and/or increasing its hydraulic retention time.
 - Restored to renew its performance through major sediment cleanouts, vegetative harvesting, filter media upgrades, or full-scale replacement.



New Retrofit: includes new projects that create storage to reduce nutrients from existing developed land that is NOT currently receiving any stormwater treatment.



Conversion: changing a BMP into a different BMP that employs more effective treatment.

Most BMP conversions involve retrofits of older, existing stormwater ponds, such as converting a dry pond into a constructed wetland or wet pond.

Enhancements

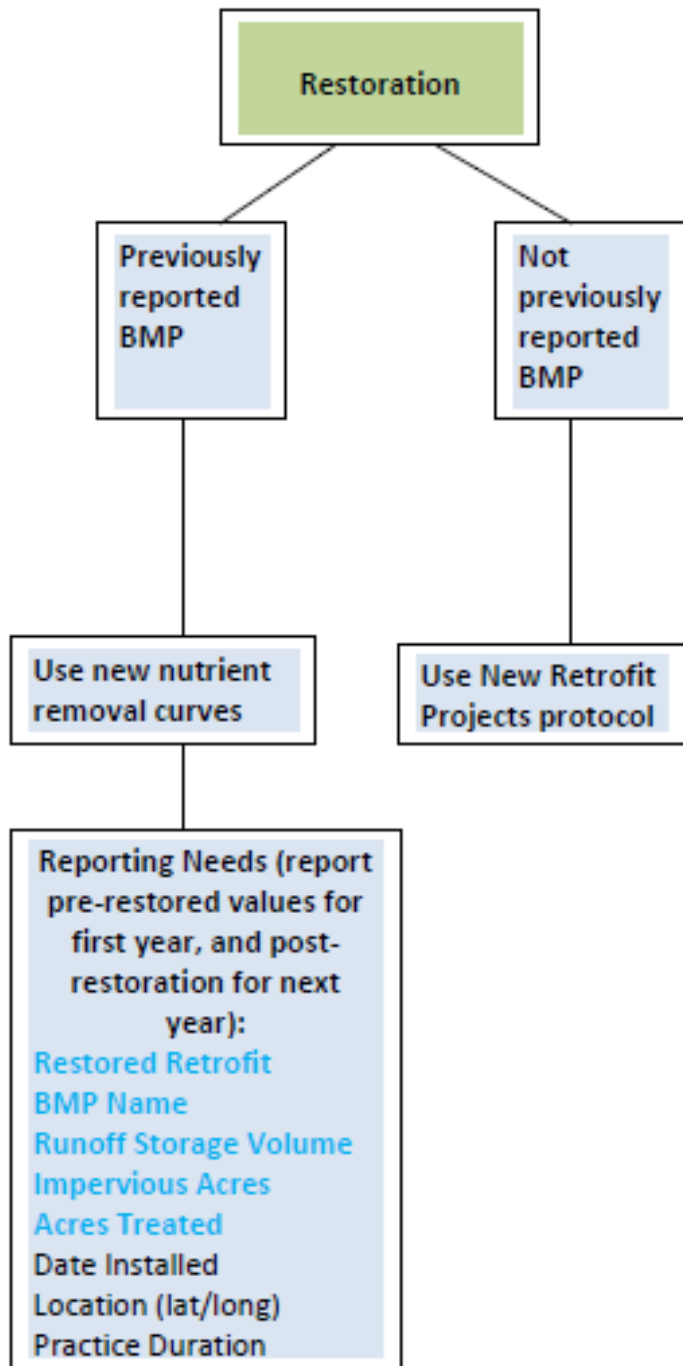
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graph TD; A[Enhancements] --> B[Use new nutrient removal curves]; B --> C[Reporting Needs: Enhanced Retrofit BMP Name Runoff Storage Volume Impervious Acres Acres Treated Date Installed Location (lat/long) Practice Duration];
```

Use new nutrient removal curves

Reporting Needs:
Enhanced Retrofit
BMP Name
Runoff Storage
Volume
Impervious Acres
Acres Treated
Date Installed
Location (lat/long)
Practice Duration

Enhancement: an increase in its treatment volume and/or its hydraulic retention time.

An example would be an upgrade of an older stormwater pond to increase treatment volume, prevent short circuiting, extend flow path or hydraulic residence time, or add internal design features to enhance overall nutrient and/or sediment reduction.



Restoration: renew a BMP's performance through major sediment cleanouts, vegetative harvesting, filter media upgrades, or full-scale rehabilitation.

Decisions Needed

- Approval of Urban Stormwater Workgroup's zero default with the understanding that practices can still be reported using the old way (without curve numbers).
- Approval of a 2018 deadline for reporting all new or retrofitted BMPs with the new state performance standard and retrofit recommendations with the understanding that as 2018 approaches, the date can be modified depending on the reporting success in recent progress years.