

# MS4 Permit Facts

## Pollution Reduction Plans (PRP)

<http://www.dep.pa.gov/Business/Water/PointNonPointMgmt/StormwaterMgmt/Stormwater/Pages/default.aspx>

Due with general permit NOI on 9/16/17  
Public participation required with 45 day comment period

<p><b>PLANNING AREA</b></p>	<ul style="list-style-type: none"> <li>- Area located within the drainage area of a regulated outfall</li> <li>- Within the boundaries of your municipality AND within your MS4 regulated storm sewershed AND within your urbanized area AND/OR upstream of your urbanized area</li> <li>-Used to calculate existing pollutant loads.</li> </ul>
<p><b>EXISTING LOAD</b></p>	<ul style="list-style-type: none"> <li>- Existing load should reflect existing land development/Best Management Practices (BMPs) as of 9/16/17.</li> <li>- Reductions from existing BMPs should be applied to existing load calculations</li> <li>- Select loading rates from Chesapeake Bay Program or other scientific literature</li> <li>- Determine land use/land cover percentages in planning area</li> <li>- Calculate load using loading rates and land area/land cover percentages using either:             <ul style="list-style-type: none"> <li>▪ DEP simplified method</li> <li>▪ WikiWatersheds</li> <li>▪ Modeling (GIS)</li> </ul> </li> <li>- Provide the Operation and Maintenance (O&amp;M) activities and frequencies of current BMPs in PRP</li> </ul>
<p><b>TARGET LOAD</b></p>	<p style="text-align: center;">SEE <a href="#">MS4 REQUIREMENTS TABLE</a> FOR PRP REQUIREMENTS</p> <ul style="list-style-type: none"> <li>-Chesapeake Bay PRP requires 10% sediment reduction</li> <li>- Locally impaired streams require 10% sediment, 5% phosphorus, 3% nitrogen reductions</li> <li>- Reductions from proposed BMPs should be applied to target load reductions</li> <li>- BMPs may only be located in areas included in existing pollutant load calculations</li> <li>- Calculate BMP pollutant load reductions using either:             <ul style="list-style-type: none"> <li>• <a href="#">DEP effectiveness values table (3800-PM-BCW0100m)</a></li> <li>• Performance standard curves from expert panel reports</li> </ul> </li> <li>- BMP retrofit opportunities:             <ul style="list-style-type: none"> <li>• Convert into a different BMP (example: traditional detention basin to bio-basin)</li> <li>• Enhance water quality opportunities by increasing treatment volume and/or hydraulic retention time (example: basins currently functioning below 2 inch, 24 hour storm)</li> <li>• Restore under-performing facilities to function as designed (non-NPDES projects only)</li> </ul> </li> <li>- For each proposed BMP, provide the following:             <ul style="list-style-type: none"> <li>• BMP identifier</li> <li>• Sponsor and/or partner</li> <li>• Funding source</li> <li>• Responsible Party for O&amp;M, O&amp;M activities, and frequency of O&amp;M activities</li> </ul> </li> </ul> <p style="text-align: center;">ALL NET LOAD REDUCTIONS COUNT EVEN IF THEY ARE FREE TO THE PERMITTEE</p>