

One of the most challenging technical issues considered in this manual involves the selection of BMPs with a high degree of pollutant reduction or removal efficiency. The Non-Structural BMPs described in Chapter 5 and the Structural BMPs presented in Chapter 6 are all rated in terms of their pollutant removal performance or effectiveness. The initial BMP selection process analyzes the final site plan and estimates the potential pollutant load, using Appendix A. The targeted reduction percentage for representative pollutants (such as 85% reduction in TSS and TP load and 50% reduction in the solute load) is achieved by a suitable combination of Non-Structural and Structural BMPs. This process is described in more detail in Chapter 8.

6.3 Manufactured Products

A variety of product suppliers, distributors, and manufacturers have provided extensive product information to PADEP during the preparation of this manual. Many of these products can be used in conjunction with the Non-Structural BMPs set forth in Chapter 5 as well as the Structural BMPs presented in this chapter. The proper application and use of many of these manufactured products can further the stormwater management goals and objectives of this manual. It should be noted that Pennsylvania does not have an established product review and testing function. The interested reader/user is directed to the following sources to learn about the performance of a specific product or technology:

The Technology Acceptance Reciprocity Partnership (TARP) – A partnership of the states of California, Illinois, Maryland, Massachusetts, New Jersey, New York, Pennsylvania and Virginia that establishes standardized methods to guide the collection and evaluation of new and innovative technology performance across the states. Information is available at: www.dep.state.pa.us/dep/deputate/pollprev/techservices/tarp/index.htm

Environmental Technology Evaluation Center (EvTEC) of The Civil Engineering Research Foundation (CERF), including their Stormwater Best Management Practices (BMPs) Verification Program - information available at <http://www.cerf.org/evtec/index.htm> & http://www.cerf.org/evtec/eval/wsdot_qr.htm

U.S. EPA's Environmental Technology Verification Program (ETV) - information available at <http://www.epa.gov/etv/>

The University of New Hampshire's Center for Stormwater Technology Evaluation and Verification (CSTEV) - information available at <http://www.unh.edu/erg/cstev/index.htm#>

The Chesapeake Bay Program's Innovative Technology Task Force (ITTF) - information about the program as well as many useful links to other programs available at http://www.chesapeakebay.net/info/innov_tech.cfm

New Jersey's Energy and Environmental Technology Verification Program - results available through the New Jersey Corporation for Advanced Technology (NJCAT) at <http://www.njcat.org/>

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