



MARYLAND DEPARTMENT OF THE ENVIRONMENT

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Parris N. Glendening
Governor

Jane T. Nishida
Secretary

February 7, 2000

Mr. Hans Albertsen, M.E.
Gillespie & Son, Inc.
100 Dixon Drive, P.O. Box 450
Chestertown, MD 21620

Dear Mr. Albertsen:

Thank you for your recent inquiry concerning Maryland's stormwater management program. Specifically, you have requested the Maryland Department of the Environment (MDE), Water Management Administration (WMA) evaluate your product, the "Gillespie Modular Stormwater Sand Filter", for use as a stand-alone stormwater quality treatment device in Maryland. After a review of the information submitted with your request, MDE/WMA offers the following.

MDE/WMA considers the Gillespie Modular Sand Filter to be a pre-cast version of the perimeter or "Delaware" sand filter. Design methods for this filter type are outlined in Section 3.4 of the **Maryland Stormwater Design Manual, Volumes I and II**. Additionally, Appendix B-3 of the manual contains construction specifications for filtering practices including material specifications for cast-in-place and pre-cast concrete structures. A perimeter sand filter, whether constructed of pre-cast modules or cast-in-place, may be used as a stand-alone water quality device if it is designed and constructed in accordance with these methods and specifications. Similarly, the Gillespie Modular Sand Filter may be used as a stand-alone water quality treatment practice if designed and constructed accordingly.

Once again, thank you for your interest in Maryland's stormwater management program. If there are any questions concerning this issue, please contact me at (410) 631-3543 or e-mail (scomstock@mde.state.md.us).

Yours truly,

Stewart R. Comstock, P.E.
Water Management Administration