



## Metropolitan North Georgia Water Planning District

International Tower | 229 Peachtree St., NE | Suite 100 | Atlanta, GA 30303

July 19, 2021

Laraine Sanfilippo  
Oldcastle Infrastructure  
10441 Vine Street  
Lakeside, CA 92040

Re: Metropolitan North Georgia *Post-Construction Stormwater Technology Assessment Protocol* Submission Review

Dear Ms. Sanfilippo:

This letter is in response to your request for review of the PerkFilter Media Filtration Device (PerkFilter) under the Metropolitan North Georgia Water Planning District's (District) Post-Construction Stormwater Technology Assessment Protocol (PCSTAP).

Per the objectives outlined on page 1 of the PCSTAP, the purpose of this review is to "characterize a technology's effectiveness in removing pollutants from stormwater runoff for an intended application and to compare test results with vendors' claims." The District's role is to review engineering reports and testing results submitted by vendors for their proprietary technology and assess conformity with the PCSTAP.

The PerkFilter submission and supplementary information requested was reviewed by the District in consultation with Tetra Tech and the Technology Review Committee. The material provided included data collected for a field investigation of the PerkFilter for the Washington Department of Ecology Technology Assessment Protocol (TAPE) performed at Bainbridge Island during 2009 – 2010. The following is a summary of the main findings from the District review of the submittal:

- 16 samples were collected and approved for evaluation by the TAPE program. Those samples were found to be appropriate for the conditions typically found in the District. The d50 of 35  $\mu\text{m}$  in the influent samples is consistent with typical soils in the District.
- Rainfall patterns at the site were consistent with a Type II rainfall distribution.

- The data provided for the TAPE program showed that, at a flow rate of 0.57 gpm/inch of cartridge height (1.5 gpm per sq ft filter surface area), the PerkFilter containing ZPC media had an average TSS removal efficiency of 82.4% for an influent concentration between 20 mg/L and 200 mg/L.

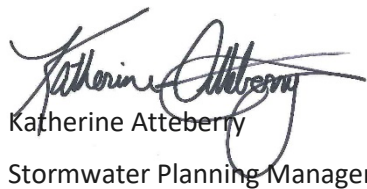
Based on this review, the District has determined that the information provided meets the requirements outlined in the PCSTAP for the technology engineering report, performance claims, and performance testing results. We therefore are recommending that the information be made publicly available as a resource on the District website (<http://www.northgeorgiawater.org>).

As stated in the PCSTAP, this review of vendor data and public dissemination of information does not constitute an approval process or an endorsement of any product by the District.

Local governments and other entities in the District are free to use this information as part of their processes to evaluate the suitability of these technologies or products for use within their jurisdiction. Local governments and other entities within the District may elect to allow or refuse use of any product on the concurrence list. They may also allow removal efficiencies that differ from manufacturer claims based on local geography, policies, or other conditions.

Thank you for your interest in PCSTAP evaluation. Please feel free to contact me at 470.378.1607 or [KAtteberry@atlantaregional.com](mailto:KAtteberry@atlantaregional.com), if you have any questions.

Sincerely,



Katherine Atteberry  
Stormwater Planning Manager