

U.S. Department of  
Homeland Security

United States  
Coast Guard



Commanding Officer  
United States Coast Guard  
Marine Safety Center

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16710/P019668/aes  
Serial: E1-2201009  
March 28, 2022

DNV AS  
Attn: Michael Lehmann  
Veritasveien 1  
1363 Høvik, Norway  
Michael.Lehmann@dnv.com

Subj: INDEPENDENT ASSESSMENT OF FILTERSAFE MANTA FILTERS

Ref: (a) DNV Doc. No. 28957084/DNV, Rev. 0, "Evaluation Test Report-Equivalence of the Manta (BSU) and BS designs of the Filtersafe filter," 20 pages, dated January 31, 2022

Dear Mr. Lehmann:

We reviewed references (a) and its supporting documentation, submitted by your email dated March 21, 2022 (MSC Document No. 2211748). You request acceptance of engineering analysis and land based testing of Filtersafe Manta filter. The land based testing and analysis demonstrated that the removal rate for the Filtersafe Manta and Filtersafe BS filters is not significantly different when used in the context of ballast water management system (BWMS) type approval testing. The intent of this analysis is to validate that the two filters have similar performance characteristics and may be used interchangeably after completing biological efficacy testing with only one version.

We concur that your analysis and land based test results support a conclusion that the removal rate of the Filtersafe BS and Filtersafe Manta appear comparable when used in the context of BWMS type approval testing. Filter use must be in accordance with the Operation, Maintenance, and Safety Manual referenced in the type approval certificate. Changes to an existing approval certificate, such as the use of additional filters, must be made in accordance with 46 CFR 162.060-16.

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Please contact Ann Sager at (202) 795-6767 with questions concerning this letter.

Sincerely,

B. C. PEIFER  
Lieutenant Commander, U. S. Coast Guard  
Chief, Machinery Branch  
By direction