



NIPPON KAIJI KYOKAI

**STATEMENT**  
*for*  
**Water Monitoring System**

No.: KB22MP0012

Unit manufacturer: **SIGRIST-PHOTOMETER AG**  
Model: **ScrubberGuard**

**THIS IS TO STATE** that the above product has been found to be in compliance with applicable requirements specified in Chapter 10 of Resolution MEPC.259(68) “2015 Guidelines for exhaust gas cleaning systems” and Chapter 10 of Resolution MEPC.340(77) “2021 Guidelines for exhaust gas cleaning systems” upon reviewing the submitted documents.

See attachment for conditions / information.

Issued at Tokyo on 9 August 2022



S. Oishi  
General Manager of Machinery Department  
NIPPON KAIJI KYOKAI

Note: When the model “ScrubberGuard” will be installed on NK ships, NK Type Approval is to be obtained.

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Attached sheet to the statement No. KB22MP0012

**Product descriptions:**

The “ScrubberGuard” is a continuous water monitoring system. As a standard configuration the system monitors PAH, turbidity, pH and temperature.

Main component	Manufacturer / Model	Specification
PAH sensor	SIGRIST-PHOTOMETER AG / OilGuard SG, OilGuard SG A	<ul style="list-style-type: none"> <li>- Measurement range: 0-1000 <math>\mu\text{g}/\ell</math> phenanthrene equivalent</li> <li>- Measurement technology: Fluorescence</li> </ul>
Turbidity sensor	SIGRIST-PHOTOMETER AG / AquaScat SG, AquaScat SG A	<ul style="list-style-type: none"> <li>- Measurement range: 0-60 FNU</li> <li>- Measurement technology: 90° scattered light</li> </ul>
pH/temperature sensor	HAMILTON Bonaduz AG / Polilyte Plus Arc 120	<ul style="list-style-type: none"> <li>- Measurement range: 0-14 pH units, 0-130°C</li> <li>- Measurement technology: Combination electrode; pH potential measured against reference</li> </ul>

**Examined Documents:**

- INSTRUCTION MANUAL ScrubberGuard (Doc.No.: 14830E\_Ver.3)
- ScrubberGuard Scrubber Wash Water Monitoring System Test Report for Statement MEPC.259(68) Version 4.1 - 2021-01-11 and Appendix
- ScrubberGuard Scrubber Wash Water Monitoring System Test Report response Time for Statement MEPC.340(77) Version 2.0 -2022-03-14

**Remarks:**

- In order to completely fulfill the requirements for washwater monitoring, additional equipment (e.g. data recording device, etc.) is to be installed.
- The “ScrubberGuard” should be installed, calibrated and operated in accordance with the manufacturer’s instruction.
- In case where the “ScrubberGuard” is fitted to SOx scrubber system installed on ships which are classed or to be classed with the Society, confirmation of compliance with the requirements applied at the time of certification is required in each system. In each project, this statement and declaration of validity of this statement are to be submitted. If any modification is made to the product and the relevant documents, detail of the modification is to be submitted.
- Type Approval in accordance with the requirements specified in Chapter 1, Part 7 of “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use” is to be obtained, before application to NK ships.

This Report is issued subject to the condition that it is understood and agreed that neither the Society nor any of its Committees is under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by this Society or its Surveyors or in any entry in the Record or other publication of the Society or for any error of judgment, default or negligence of its Officers, Surveyors or Agents.