



Marine Safety Center BWMS Type Approval Status



<i>Under Review</i>						
Application Received	Manufacturer (Country)	Model	Independent Laboratory	System Type	Capacity	Certificate Issued* (Amended)
03 Mar 2018	De Nora (USA)	BALPURE	Lloyd's Register	Filtration + Electrolysis	400 – 7,500 m ³ /h	Pending
16 Mar 2018	Alfa Laval (Sweden)	PureBallast 3	DNV GL	Filtration + Ultraviolet	150 – 3,000 m ³ /h	23 Dec 2016 (21 Dec 2017)
22 Mar 2018	Optimarin (Norway)	OBS/OBS Ex	DNV GL	Filtration + Ultraviolet	167 – 3,000 m ³ /h	02 Dec 2016 (03 Nov 2017)
30 Mar 2018	Panasia Co., Ltd. (Republic of Korea)	GloEn-Patrol	DNV GL	Filtration + Ultraviolet	50 – 6,000 m ³ /h	Pending
20 Jul 2018	Envirocleanse, LLC (USA)	inTank	DNV GL	Electrolysis + Chemical Injection	Up to 200,000 m ³	Pending
30 Aug 2018	NK BMS Co., Ltd. (Republic of Korea)	NK-O3 BlueBallast II	Lloyd's Register	Ozone	200 – 8,000 m ³ /h	Pending
27 Sep 2018	NK BMS Co., Ltd. (Republic of Korea)	NK-O3 Blue-Ballast II Plus	Lloyd's Register	Ozone	200 – 8,000 m ³ /h	Pending
18 Oct 2018	DESMI Ocean Guard A/S (Denmark)	CompactClean	Lloyd's Register	Filtration + Ultraviolet	135 – 3,000 m ³ /h	Pending
19 Oct 2018	Wärtsilä Water Systems, Ltd. (UK)	Aquarius UV	DNV GL	Filtration + Ultraviolet	50 – 1,000 m ³ /h	Pending
19 Oct 2018	Cathelco Ltd. (UK)	Evolution	Lloyd's Register	Filtration + Ultraviolet	34 – 1,500 m ³ /h	Pending
23 Oct 2018	Techcross, Inc. (Republic of Korea)	Electro-Cleen	Korean Register	Electrolysis	150 – 12,000 m ³ /h	05 Jun 2018 (Pending)

*Some manufacturers have requested multiple amendments to their Type Approval Certificates. The first date is the date when the original certificate was issued, and the date in parentheses is the date of the current amendment. Copies of Type Approval Certificates can be found at <http://www.dco.uscg.mil/msc/Ballast-Water/TACs/>, or by visiting the USCG Approved Equipment List at: <http://cgmix.uscg.mil/Equipment/Default.aspx>.