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BWM.2/Circ.11
3 October 2007

**INTERNATIONAL CONVENTION FOR THE CONTROL
AND MANAGEMENT OF SHIPS' BALLAST WATER
AND SEDIMENTS, 2004**

**List of ballast water management systems that make use of Active Substances which
received Basic and Final Approval**

1 The Ballast Water Management Convention, 2004 (BWM Convention), in its regulation D-3.2, provides that ballast water management systems which make use of Active Substances to comply with the Convention shall be approved by IMO based on a procedure developed by the Organization. According to regulation A-1.7 of the Annex to the same Convention, an Active Substance is a substance or organism, including a virus or a fungus, that has a general or specific action on or against harmful aquatic organisms and pathogens.

2 The Marine Environment Protection Committee (MEPC), at its fifty-third session (18 to 22 July 2005), adopted the 'Procedure for approval of ballast water management systems that make use of Active Substances (G9)' by resolution MEPC.126(53). Section 8 of the Procedure sets out the methodology to be followed for the approval of such ballast water management systems and requests IMO to record the Basic and Final Approval of Active Substances and Preparations and ballast water management systems that make use of Active Substances and to circulate the list once a year. At the same session, MEPC established a Technical Group (GESAMP-Ballast Water Working Group) under the auspices of GESAMP*, to evaluate Active Substances and the relevant systems and advise the MEPC accordingly.

3 Following consideration of the Report of the third meeting of the GESAMP-Ballast Water Working Group, MEPC at its fifty-sixth session in July 2007, gave Basic Approval to two ballast water management systems and gave Final Approval to one ballast water management system. In accordance with the Procedure (G9), annexes 1 and 2 to this circular provide, respectively, relevant information on the ballast water management systems which received Basic and Final Approval until 2007.

4 This circular supersedes circulars BWM.2/Circ.9 and BWM.2/Circ.9/Corr.1.

5 Member Governments are invited to bring this circular to the attention of all the parties concerned.

* GESAMP stands for 'IMO/FAO/UNESCO-IOC/WMO/WHO/IAEA/UN/UNEP Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection'.

ANNEX 1

**LIST OF BALLAST WATER MANAGEMENT SYSTEMS THAT MAKE USE OF ACTIVE SUBSTANCES WHICH RECEIVED
BASIC APPROVAL IN ACCORDANCE WITH PROCEDURE (G9)**

Name of the system and MEPC document related to the proposal for Basic Approval	Name of manufacturer	Relevant GESAMP-Ballast Water Working Group report	Date of Basic Approval	Specifications
1. Peraclean® Ocean MEPC 53/2/12 (Germany)	Degussa Gmbh, Germany	MEPC 54/2/12, annex 5	Basic Approval 24 March 2006 (MEPC 54)	Flag State Administration was invited to authorize on-board testing only when the concerns identified in annex 5 of the Report of the first meeting of the GESAMP-Ballast Water Working Group (MEPC 54/2/12) had been addressed to its complete satisfaction.
2. Electro-Clean (electrolytic disinfection) system MEPC 54/2/3 (The Republic of Korea)	Techcross Ltd. and Korea Ocean Research and Development Institute (KORDI)	MEPC 54/2/12, annex 6	Basic Approval 24 March 2006 (MEPC 54)	Flag State Administration was invited to authorize on-board testing only when the concerns identified in annex 6 of the Report of the first meeting of the GESAMP-Ballast Water Working Group (MEPC 54/2/12) had been addressed to its complete satisfaction.
3. Special Pipe Ballast Water Management System (combined with Ozone treatment) MEPC 55/2 (Japan)	Japan Association of Marine Safety (JAMS)	MEPC 55/2/16, annex 5	Basic Approval 13 October 2006 (MEPC 55)	Flag State Administration was invited to take into account all the recommendations indicated in annex 5 of the Report of the second meeting of the GESAMP-Ballast Water Working Group (MEPC 55/2/16) during further development of the system.

4. EctoSys™ electrochemical system MEPC 55/2/4 (Sweden)	Permascand AB, Sweden, subsequently acquired by RWO GmbH, Germany	MEPC 55/2/16, annex 7	Basic Approval 13 October 2006 (MEPC 55)	Flag State Administration was invited to take into account all the recommendations indicated in annex 7 of the Report of the second meeting of the GESAMP-Ballast Water Working Group (MEPC 55/2/16) during further development of the system.
5. PureBallast System MEPC 55/2/5 (Sweden)	Alfa Laval/Wallenius Water AB	MEPC 56/2/2, annex 5	Basic Approval 13 July 2007 (MEPC 56)	
6. NK Ballast Water Treatment System MEPC 55/2/3 and MEPC 55/2/27 (The Republic of Korea)	NK Company Ltd., the Republic of Korea	MEPC 56/2/2 annex 6	Basic Approval 13 July 2007 (MEPC 56)	Flag State Administration was invited to take into account all the conditions indicated in annex 6 of the Report of the third meeting of the GESAMP-Ballast Water Working Group (MEPC 56/2/2) during further development of the system.

ANNEX 2

**LIST OF BALLAST WATER MANAGEMENT SYSTEMS THAT MAKE USE OF ACTIVE SUBSTANCES WHICH RECEIVED
FINAL APPROVAL IN ACCORDANCE WITH PROCEDURE (G9)**

Name of the system and MEPC document related to the proposal for Final Approval	Name of manufacturer	Relevant GESAMP-Ballast Water Working Group report	Date of Final Approval	Specifications
1. PureBallast System MEPC 56/2/1 (Norway)	Alfa Laval / Wallenius Water AB	MEPC 56/2/2, annex 5	Final Approval 13 July 2007 (MEPC 56)	Flag State Administration was invited to verify that the concerns raised in annex 5 of the Report of the third meeting of the GESAMP-Ballast Water Working Group (MEPC 56/2/2) with regard to ship and crew safety have been fully addressed prior to issuance of a Type Approval certificate.