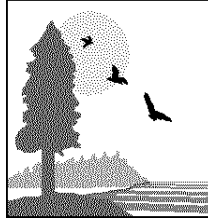


**CALIFORNIA STATE LANDS COMMISSION**

100 Howe Ave, Suite 100S  
Sacramento, CA 95825

**JENNIFER LUCCHESI**, Executive Officer

(916) 574-1800 FAX (916) 574-1810  
California Relay Service from TDD Phone 1-800-735-2929  
from Voice Phone 1-800-735-2922

**Contact Phone: (916) 574-0742**  
**Contact FAX: (916) 574-1950**

July 24, 2017

File Ref: W9777.234  
W9777.243

Dear Shipping Agent,

In accordance with California Public Resources Code section 71204.3(c)(4) and California Code of Regulations (C.C.R.), title 2, section 2284, the master, owner, operator, or person in charge of a vessel that arrives at a California port is authorized to manage their vessel's ballast water using either of the following:

- **United States Coast Guard (USCG) Type Approved Ballast Water Management Systems (BWMS); or**
- **USCG accepted Alternative Management Systems (AMS)**

The use of either a USCG Type Approved BWMS or a USCG accepted AMS is considered an alternative, environmentally sound method of management that has been approved by the California State Lands Commission or the USCG as being at least as effective as ballast water exchange, using mid-ocean waters, in removing or killing nonindigenous aquatic species.

**USCG Type Approved BWMS**

The USCG recently released a list of Type Approved BWMS (Attachment A). Because any USCG Type Approved BWMS must be at least as effective as mid-ocean ballast water exchange (per National Invasive Species Act of 1996, section 1101(b)(2)(B)(iii)), use of any of the USCG Type Approved BWMS for the management of ballast water prior to discharge within California waters is in accordance with Public Resources Code section 71204.3(c)(4) and C.C.R. title 2, section 2284. A USCG Type Approved BWMS may be used as an acceptable alternative to ballast water exchange.

July 24, 2017

Page 2 of 2

### **USCG accepted AMS**

The USCG maintains a list of accepted AMS for Ballast Water Treatment on their website <https://homeport.uscg.mil/> (see Attachment B for the list as of 7/21/2017).

Because any USCG accepted AMS must demonstrate an efficacy at least as effective as mid-ocean exchange (per CG-OES Policy Letter No. 12-01, dated 15 June 2012), use of any of the accepted AMS for the management of ballast water prior to discharge within California waters is in accordance with Public Resources Code section 71204.3(d) and C.C.R., title 2, section 2284. A USCG accepted AMS may be used as an acceptable alternative to ballast water exchange.

### **Reporting Use of Ballast Water Treatment Systems in California**

Please note that vessels discharging treated ballast in California waters with either a USCG Type Approved BWMS or a USCG accepted AMS must fill out the "Ballast Water Treatment Technology Annual Reporting Form" (Attachment C) and the "Ballast Water Treatment Supplemental Reporting Form" (Attachment D). Additionally, vessels using either a USCG Type Approved BWMS or a USCG accepted AMS in California waters must report the ballast water management system on the Ballast Water Management Report.

Please feel free to contact me at the telephone number listed above or by email at [Nicole.Dobroski@slc.ca.gov](mailto:Nicole.Dobroski@slc.ca.gov) if you have any further questions.

Sincerely,



Nicole Dobroski  
Assistant Chief  
Marine Environmental Protection Division

Enclosures: Attachment A – USCG Type Approval List  
Attachment B – USCG AMS list  
Attachment C – Ballast Water Treatment Technology Annual Reporting Form  
Attachment D – Ballast Water Treatment Supplemental Reporting Form

cc: Chris Beckwith, Chief, Marine Environmental Protection Division, CSLC  
Patrick Huber, Staff Attorney, CSLC



# Marine Safety Center BWMS Type Approval Status



<i>Approved</i>						
Date Received	Manufacturer (Country)	Model	Independent Lab	System Type	Approved Range	Certificate Issued*
20 Sep 2016	Optimarin (Norway)	OBS/OBS Ex	DNV GL	Filtration + UV	167 – 3000 m <sup>3</sup> /h	02 Dec 2016
21 Sep 2016	Alfa Laval (Sweden)	Pure Ballast 3	DNV GL	Filtration + UV	150 – 3000 m <sup>3</sup> /h	23 Dec 2016
23 Sep 2016	OceanSaver AS (Norway)	MK II	DNV GL	Filtration + Electrodialysis	200 – 7200 m <sup>3</sup> /h	23 Dec 2016
24 Jan 2017	Sunrui (China)	BalClor	DNV GL	Filtration + Electrolysis	170 – 8500 m <sup>3</sup> /h	07 Jun 2017

<i>Under Review</i>						
Date Received	Manufacturer (Country)	Model	Independent Lab	System Type	Approved Range	Certificate Issued
31 Mar 2017	Ecochlor, Inc. (USA)	Ecochlor BWTS	DNV GL	Filtration + Chemical Injection	500-16,200 m <sup>3</sup> /h	Pending
02 May 2017	Erma First	Erma First FIT	Lloyds Register	Electrolysis + Filtration	100-3000 m <sup>3</sup> /h	Pending

\*Complete copies of the Coast Guard Type Approval Certificates can be found on the Coast Guard HOMEPORT website under the “Environmental” Missions Tab or by visiting the USCG Approved Equipment List at: <http://cgmix.uscg.mil/Equipment/Default.aspx>

No.	AMS_ID	Manufacturer	Description - Brand and Models Covered	Freshwater (< 1 PSU) (0 = No, 1 = Yes)	Brackish Water (10-20 PSU) (0 = No, 1 = Yes)	Marine Water (28 -36 PSU) (0 = No, 1 = Yes)	Acceptance Date
1	AMS-2013-Alfa Laval-PureBallast-001	Alfa Laval Yumba AB	PureBallast 250-2500	0	1	1	15-Apr-13
2	AMS-2013-Alfa Laval-PureBallast-002	Alfa Laval Yumba AB	PureBallast 2.0/2.0 Ex and associated Boll & Kirch or Hydac BalPure BWTS: BalPure models BP-6, -8, -12, -24, -32, -36, -48, -60, -75, -500, -675, -1000, -2000, -2650, -3000, -4000, and -5000, with associated filter modules	0	1	1	15-Apr-13
3	AMS-2013-STDN-BalPure-001	DeNora Water Technologies, Inc.	Ecochlor, incorporating Series 75, 100, 150, 200, 250, and 300, with associated filter housing models BS-050 to BS-1200	0	1	1	15-Apr-13
4	AMS-2013-Ecochlor-001	Ecochlor Inc.	Hyde GUARDIAN models HG60, -100, -150, -200, -250, -300, -400, -450, -500, -600, -700, -800, -900, -1000, -1250, -1350, -1400, -1488, -1600, -2000, -2500, -2975, -4000, -5000, -6000 and alternative filter housings SF50, SF70, and SF90	0	1	1	15-Apr-13
5	AMS-2013-Hyde-Guardian-001	Hyde Marine Inc.	NK-O3 BlueBallast BWTS: NK-O3 BlueBallast models NK-O3-010, -015, -030, -040, -050, -075, -100, -150, -200, -250, -300, and -400	0	1	1	15-Apr-13
6	AMS-2013-NK-O3-BlueBallast-001	NK Co., Ltd.	OceanGuard™ BWTS and associated filter housing HMT-100F to -4000F	0	1	1	15-Apr-13
7	AMS-2013-Headway-OceanGuard-001	Qingdao Headway Technology Co., Ltd.	CleanBallast(R) -150, -200, -250, -300, -350, -400, -450, -500, -500-1, -750, -1000, -1250, -1500, -1750, -2000, -2250, -2500, -2750, -3000, -3250, -3500, -3750, and CleanBallast(R) -Modular Configurations	0	1	1	15-Apr-13
8	AMS-2013-RWO-CleanBallast-001	RWO Marine Water Technology Group	GloEn-Patrol models P50, P150, P250, P300, P350, P500, P700, P750, P800, P900, P1000, P1200, P1500, P2000, P2500, P3000, P3500, P4000, P4500, P5000, P6000 with associated filter housings	0	1	1	29-Apr-13
9	AMS-2013-PANASIA-GloEn-Patrol-001	Panasia Co., Ltd	BalClor BWTS: BalClor models BC-300, BC-500, BC-1000, BC-1500, BC-2000, BC-2500, BC-3000, BC-3500, BC-4000, BC-5000, BC-6000, and BC-7000, with associated filters	0	1	1	01-May-13
10	AMS-2013-SunRui-BalClor-001	SunRui Marine Environment Engineering Co., Ltd.	Optimarin Ballast System and approved filter modules Micro-Kill BSF Filter, Filtrex ACB Filter, and Micro-Kill Boll Filter Selfclean	0	1	1	18-Jun-13
11	AMS-2013-Optimarin Ballast System-001	Optimarin AS	HiBallast System HiB-75, HiB-150, HiB-225, HiB-300A, HiB-300B, HiB-500, HiB-600, HiB-900, HiB-1000, HiB-1200, HiB-1200, HiB-1500, HiB-2000 and associated filter	0	1	1	24-Jun-13
12	AMS-2013-Hyundai-HiBallast-001	Hyundai Heavy Industries, Inc.		0	1	1	

No.	AMS_ID	Manufacturer	Description - Brand and Models Covered	Freshwater (< 1 PSU) (0 = No, 1 = Yes)	Brackish Water (10-20 PSU) (0 = No, 1 = Yes)	Marine Water (28 -36 PSU) (0 = No, 1 = Yes)	Acceptance Date
13	AMS-2013-Hyundai-HiBallast-EX-001	Hyundai Heavy Industries, Inc.	HiBallast-EX System HiB-75-Ex, HiB-150-Ex, HiB-225-Ex, HiB-300A-Ex, HiB-300B-Ex, HiB-500-Ex, HiB-600-Ex, HiB-900-Ex, HiB-1000-Ex, HiB-1200-Ex, HiB-1500-Ex, HiB-2000-Ex and associated filter housing	0	1	1	24-Jun-13
14	AMS-2013-MMC BWMS-001	MMC Green Technology AS	MMC Ballast Water Management System Model 150 and Model 300 and associated filter	0	1	1	29-Aug-13
15	AMS-2013-OceanSaver MK II-001	OceanSaver AS	OceanSaver MK II models C2E-S200/ 5/13, C2E-S405/5/13, C2E-S610/5/13, C2E- S815/5/13, C2E-S1020/5/13, C2E-M1220/ 5(S)/13, C2E-M1425/5(S)/13, C2E- M1630/5(S)/13, C2E-M1835/5(S)/13, C2E- M2040/5(S)/13, C2E-M2245/5(S)/13, C2E- L2445/5(S)/13, C2E- L2650/5(S)/	0	1	1	23-Sep-13
16	AMS-2013-Headway-OceanGuard-002	Qingdao Headway Technology Co., Ltd.	OceanGuard BWTS models HMT-50, HMT-50E, HMT-100, HMT-100E, HMT-200, HMT-200-E, HMT-300, HMT-300E, HMT-450, HMT-450E, HMT-600, HMT-600E, HMT-800, HMT-800E, HMT-1000, HMT-1000E, HMT-1200, HMT-1200E, HMT-1500, HMT-1500E, HMT-2000, HMT-2000E, HMT-2500, HMT-2500E, HMT-3000, HMT-3000E	0	1	1	23-Sep-13
17	AMS-2013-Samsung Purimar-001	Samsung Heavy industries, Inc.	-1250, -1250-SF, -1500, -1500-SF, -1750, -1750-SF, -2000, -2000-SF, -2250, -2250-SF, Electro-Cleen models ECS-150B, Ex-ECS-150B, ECS-300A, Ex-ECS-300A, ECS-300B, Ex-ECS-300B, ECS-450B, Ex-ECS-450B, ECS-600A, Ex-ECS-600A, ECS-600B, Ex-ECS-600B, ECS-1000A, ECS-1000B, Ex-ECS-1000B	0	1	1	04-Oct-13
18	AMS-2013-Techcross Electro-Cleen-001	Techcross, Inc.	BSKY(TM) BWMS models: - BSKY(TM) BWMS models BSKY100, BSKY150, BSKY200, BSKY250, BSKY300, BSKY350, BSKY400, BSKY450, BSKY500, BSKY600, BSKY700, BSKY800, BSKY900, BSKY1000, BSKY1100, BSKY1200, BSKY1300, BSKY1400, BSKY1500, BSKY2000, BSKY3000, BSKY4000, BSK, BSKY5000, BSKY6000	0	1	1	04-Oct-13
19	AMS-2013-BSKYBallastWaterTreatmentSystem-001	Wuxi Brightsky Electronic Co., Ltd.	OxyClean 75, OxyClean 100, OxyClean 200, OxyClean 300, OxyClean 400, OxyClean 500, OxyClean 600, OxyClean 700, OxyClean 800, OxyClean 900, OxyClean 1000, OxyClean 1100, OxyClean 1200, OxyClean 1300, OxyClean 1400, OxyClean 1500, OxyClean 1600, OxyClean 17	0	1	1	04-Oct-13
20	AMS-2013-DESMI OxyClean BWTS-001	Desmi Ocean Guard AS	OxyClean 75, OxyClean 100, OxyClean 200, OxyClean 300, OxyClean 400, OxyClean 500, OxyClean 600, OxyClean 700, OxyClean 800, OxyClean 900, OxyClean 1000, OxyClean 1100, OxyClean 1200, OxyClean 1300, OxyClean 1400, OxyClean 1500, OxyClean 1600, OxyClean 17	1	1	1	11-Oct-13

No.	AMS_ID	Manufacturer	Description - Brand and Models Covered	Freshwater (< 1 PSU) (0 = No, 1 = Yes)	Brackish Water (10-20 PSU) (0 = No, 1 = Yes)	Marine Water (28 -36 PSU) (0 = No, 1 = Yes)	Acceptance Date
21	AMS-2013-ERMA FIRST Ballast Water Treatment System-001	Erma First ESK Engineering Solutions SA	ERMA FIRST BWTS models: 50, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100	0	1	1	11-Oct-13
22	AMS-2013-JFE BallastAce-001	JFE Engineering Corporation	JFE BallastAce 4500 with Treatment Rated Capacity from 17.5 thru 4500 m3/h, and associated filter housings	0	1	1	15-Oct-13
23	AMS-2013-Kuraray MICROFADE-001	Kuraray Co., Ltd.	MICROFADE models: MF-125, -250, -375, -500, -625, -750, -1000, -1250, -1500, -1750, -2000, -2250, -2500, -2750, -3000, -3250, -3500, -3750, and -4000 with associated filter housings	0	1	1	28-Oct-13
24	AMS-2013-SAMKUN ARA PLASMA-001	Samkun Century Co. Ltd	ARA-017, -028, -039, -063, -092, -126, -150, -190, -230, -250, -300	0	1	1	28-Oct-13
25	AMS-2013-Wartsila AQUARIUS UV-001	Wartsila Water Systems, Ltd.	Wartsila AQUARIUS UV models AQ-50-UV, -80-UV, -125-UV, -180-UV, -250-UV, -300-UV, -375-UV, -430-UV, -500-UV, -550-UV, -750-UV, -850-UV, and -1000-UV, with capacities up to 6000 m3/h achieved by using multiple units in parallel Associated filter models BS-	1	1	1	28-Oct-13
26	AMS-2013-GEA Westfalia BallastMaster-001	GEA Westfalia Separator Group	BallastMaster Ultra V 250 model and associated filter units	0	1	1	11-Nov-13
27	AMS-2013-Jiangsu Nanji NiBallast-001	Jiangsu Nanji Machinery Co., Inc.	NiBallast models NB-200, NB-300, NB-400, NB-500, NB-600, NB-800, NB-1000, NB-1200, NB-1500, NB-1800, NB-2000, NB-2500, NB-3000, NB-4000, NB-5000 and associated filter units	1	1	1	15-Nov-13
28	AMS-2013-COSCO BOS-001	Cosco, Inc.	Blue Ocean Shield BWTS models BOS02 and BOS05 with treatment rated capacities of 100 to 3,500 cubic meters/hour (m3/hr)	0	1	1	19-Nov-13
29	AMS-2013-NEI VOS-001	NEI Treatment Systems, LLC	VOS models VOS-500 to -6000 with ballast water treatment rated capacities of 100 to 6,500 cubic meters/hour (m3/hr)	1	1	1	16-Dec-13
30	AMS-2014-AquaStar-001	Aqua Engineering, Inc.	AquaStar Models H-200, -200S, -250, -300, -350, -450, -550, -650, -700, and -750	0	1	1	07-Jan-14
31	AMS-2014-AquaStar-002	Aqua Engineering, Inc.	AquaStar -EX Models H-200S-EX, -300-EX, -350-EX, and -650-EX	0	1	1	07-Jan-14
32	AMS-2014-Auramarine CrystalBallast-001	Aura Marine, Inc.	CrystalBallast Models CB75 and CB250	0	1	1	07-Jan-14
33	AMS-2014-STX Smart Ballast-001	STX Heavy Industries Co., Ltd.	Smart Ballast Models SB-EC300, -EC600, -EC800, and -EC1000	0	1	1	07-Jan-14
34	AMS-2014-MAHLE OPS-001	Filtration Group GmbH	OPS-50, -100, -150, -200, -250, -300, -350, -400, -500, -600, -700, -750, -800, -900, -1000, -1100, -1250, -1500, -1750, and -2000, with associated filters	0	1	1	12-Feb-14

No.	AMS_ID	Manufacturer	Description - Brand and Models Covered	Freshwater ( $< 1$ PSU) (0 = No, 1 = Yes)	Brackish Water (10-20 PSU) (0 = No, 1 = Yes)	Marine Water (28 -36 PSU) (0 = No, 1 = Yes)	Acceptance Date
35	AMS-2014-Knutsen KBAL-001	Knutsen OAS Shipping AS	Knutsen KBAL BWTS models BWTS200 and -600, with treatment rated capacities (TRC) of 200 and 600 cubic meters per hour (m <sup>3</sup> /hr)	0	1	1	03-Mar-14
36	AMS-2014-BIO-UV BIO-SEA-001	BIO-UV SAS	BIO-SEA® models: BIO-SEA®100, -200, -300, -400, -500, -600, -700, -800, -900, -1000, -1100, -1200, -1300, -1400, -1500, -1600, -1700, -1800, -1900, and -2000 with treatment rated capacities (TRC) of 100 to 2,000 cubic meters per hour (m <sup>3</sup> /hr).	0	1	1	04-Mar-14
37	AMS-2014-Hyundai EcoBallast-001	Hyundai Heavy Industries, Inc.	EcoBallast models -360,-600, -700,-720, and -1000 and associated filter housings, UV reactors, and cleaning unit	0	1	1	04-Mar-14
38	AMS-2013- JFE BallastAce-001	JFE Engineering Corporation	JFE BallastAce 4500 with Treatment Rated Capacity from 17.5 thru 4500 m3/h, and associated filter housings	0	1	1	14-Apr-14
39	AMS-2014-MacGregor-AquaStar-001	Aqua Engineering, Inc.	MacGregor-AquaStar Models H-150, H-200, -200S, -250, -300, -350, -450, -550, -650, -700, and -750	0	1	1	23-May-14
40	AMS-2014-MacGregor-AquaStar-002	Aqua Engineering, Inc.	MacGregor-AquaStar -EX Models H-200S-EX, -300-EX, -350-EX, and -650-EX	0	1	1	23-May-14
41	AMS-2013-Samsung Purimar-001	Samsung Heavy industries, Inc.	Purimar Models SP-25, SP-25(Ex), SP-50, SP-50(Ex), SP-75, SP-75(Ex), SP-100, SP-100(Ex), SP-150, SP-150(Ex), SP-200, SP-200(Ex), SP-250, SP-250(Ex), SP-300, SP-300(Ex), SP-350, SP-350(Ex), SP-400, SP-400(Ex), SP-450, SP-450(Ex), SP-500, SP-500(Ex), SP-550, SP-550(Ex), SP-600, SP-600(Ex), SP-650, SP-650(Ex)	0	1	1	23-May-14
42	AMS-2014-Alfa Laval-PureBallast-003	Alfa Laval Yumba AB	PureBallasts 3.0 models: 300, 600, 1000	0	1	1	04-Jun-14
43	AMS-2014-Alfa Laval-PureBallast-004	Alfa Laval Yumba AB	PureBallasts 3.0 Ex models: 300, 600, 1000	0	1	1	04-Jun-14
44	AMS-2014-Jiujiang OceanDoctor-001	Jiujiang Precision Measuring Technology	OceanDoctor models HBS-250, HBS-500, HBS-1000, HBS-1500, HBS-2000, HBS-2500, HBS-3000, HBS-3500, HBS-4000, HBS-500	0	1	1	06-Jun-14
45	AMS-2014-Shanghai Cyeco-001	Shanghai Cyeco Environmental Technology Co., Ltd.	B200, B250, B300, B400, B500, B600, B750, B800, B1000, B1200, B1500, B2000, B3000, B4000, B5000, B6000	0	1	1	03-Jul-14
46	AMS-2014-Trojan Marinex-001	Trojan Technologies	Trojan Marinex model 150, 250, and 500	1	1	1	21-Jul-14
47	AMS-2013-Hyde-Guardian-001	Hyde Marine Inc.	Hyde GUARDIAN models HG60, -100, -150, -200, -250, -300, -400, -450, -500, -600, -700, -800, -900, -1000, -1250, -1350, -1400, -1488, -1600, -2000, -2500, -2975, -4000, -5000, -6000	0	1	1	21-Aug-14
48	AMS-2014-Shanghai Hengyuan-001	Shanghai Hengyuan Marine Equipment Co., Ltd.	Model HY-BWMS-200	0	1	1	02-Sep-14
49	AMS-2014-MES FineBallast MF-001	Mitsui Engineering & Shipping Co., Ltd	MES FineBallast models: MF-05, MF-10, MF-15, MF-20, MF-25, MF-30, MF-40, MF-50, MF-60, MF-70, MF-80, MF-90	0	1	1	15-Sep-14

No.	AMS_ID	Manufacturer	Description - Brand and Models Covered	Freshwater ( < 1 PSU) (0 = No, 1 = Yes)	Brackish Water (10-20 PSU) (0 = No, 1 = Yes)	Marine Water (28 -36 PSU) (0 = No, 1 = Yes)	Acceptance Date
50	AMS-2014-Evoqua SeaCURE-001	Evoqua Water Technologies LLC	Evoqua SeaCURE models: SC-300-800/1, SC-500-800/1, SC-800-800/1, SC-300-800/2, SC-600-800/2, SC-800-800/2, SC-1000-1000/1, SC-1000-1000/2, SC-1500-1, SC-2000-2500/1, SC-2250-2500/1, SC-2500-2500/1, SC-2000-2500/2, SC-2400-2500/2, SC-2500-2500/2, SC-2750/1, SC-3000/1, SC-300/2, SC-4000/1, SC-4000/2	1	1	1	02-Oct-14
51	AMS-2014-Wartsila Aquarius EC-001	Wartsila Water Systems, Ltd.	AQ-250-EC, AQ-300-EC, AQ-375-EC, AQ-430-EC, AQ-500-EC, AQ-550-EC, AQ-750, AQ-850, AQ-1000, AQ-1200, AQ-1500, AQ-2000, AQ-2400, AQ-3000, AQ-3300	0	1	1	02-Oct-14
52	AMS-2014-Elite Marine Seascape-001	Elite Marine Corp.	Elite Marine Seascape model: Seascape-250-BWMS	0	1	1	03-Oct-14
53	AMS-2013-Kuraray MICROFADE-001	Kuraray Co., Ltd.	MICROFADE models: MF-125, -250, -375, -500, -625, -750, -1000, -1250, -1500, -1750, -2000, -2250, -2500, -2750, -3000, -3250, -3500, -3750, and -4000 with associated filter housings	0	1	1	10-Oct-14
54	AMS-2014-Cathelco-001	Cathelco, Ltd.	Cathelco BWTS models: A1, A2, A4, A6, A8, A10, A12	1	1	1	07-Nov-14
55	AMS-2013-Optimarin Ballast System-001	Optimarin AS	Optimarin Ballast System Ex and non-Ex (multiple models)	0	1	1	07-Nov-14
56	AMS-2014-Miura-001	Miura Co., Ltd.	Miura models: HK-200(E), HK-300(E), HK-400(E), HK-6000(E)	0	1	1	21-Nov-14
57	AMS-2014-Sumitomo ECOMARINE-001	Sumitomo Electric Industries, Ltd.	ECOMARINE modes: EU-100, EU-200, EU-250, EU-350, EU-500, EU-600, EU-750, EU-850, EU-1000	0	1	1	01-Dec-14
58	AMS-2013-Hyundai-HiBallast-001	Hyundai Heavy Industries, Inc.	HiBallast System HiB-75, HiB-150, HiB-225, HiB-300A, HiB-300B, HiB-500, HiB-600, HiB-900, HiB-1000, HiB-1200, HiB-1200, HiB-1500, HiB-2000	0	1	1	05-Dec-14
59	AMS-2013-Hyundai-HiBallast-EX-001	Hyundai Heavy Industries, Inc.	HiBallast-EX System HiB-75-Ex, HiB-150-Ex, HiB-225-Ex, HiB-300A-Ex, HiB-300B-Ex, HiB-500-Ex, HiB-600-Ex, HiB-900-Ex, HiB-1000-Ex, HiB-1200-Ex, HiB-1500-Ex, HiB-2000-Ex and associated filter housing	0	1	1	05-Dec-14
60	AMS-2014-Hyundai EcoBallast-001	Hyundai Heavy Industries, Inc.	EcoBallast models -360,-600, -700,-720, and -1000 and associated filter housings, UV reactors, and cleaning unit	0	1	1	05-Dec-14



No.	AMS_ID	Manufacturer	Description - Brand and Models Covered	Freshwater ( < 1 PSU) (0 = No, 1 = Yes)	Brackish Water (10-20 PSU) (0 = No, 1 = Yes)	Marine Water (28 -36 PSU) (0 = No, 1 = Yes)	Acceptance Date
61	AMS-2013-RWO-CleanBallast-001	RWO Marine Water Technology Group	CleanBallast Models: -150, 150-SF, -200, -200-SF, -250, -250-SF, -300, -300-SF, -350, -350-SF, -400, -400-SF, -450, -450-SF, -500, -500-1, -500-SF, -750,-750-SF, -1000, -1000-SF, -1250, -1250-SF,-1500,-1500-SF, -1750, -1750-SF, -2000,-2000-SF, -2250, -2250-SF, -2500, -2500-SF, -2750, -2750-SF, -3000, -3000-SF, -3250, -3250-SF, -3500, -3500-SF, -3750, and -3750-SF DESMI RayClean models: 100,200,300,400,500,600,700,800,900,1000,1100,1200,1300,1400,1500,1600,1700,1800,1900,2000,2100,2200,2300,2400,2500,2600,2700,2800,2900,3000	0	1	1	05-Dec-14
62	AMS-2015-DESMI RayClean-001	Desmi Ocean Guard AS	800,2900,3000	1	1	1	30-Jan-15
63	AMS-2015-Bawat-001	Bawat Inc.	Bawat ballast water treatment system	1	1	1	12-Feb-15
64	AMS-2013-PANASIA-GloEn-Patrol-001	Panasia Co., Ltd	GloEn-Patrol models P50, P150, P-150-Ex, P250, P250-Ex, P300, P300-Ex, P350, P350-Ex, P500, P500-Ex, P700, P700-Ex, P750, P750-Ex, P800, P-800-Ex, P900, P900-Ex, P1000, P1000-Ex, P1200, P1200-Ex, P1500, P1500-Ex, P2000, P2000-Ex, P2500, P2500-Ex,P3000, P3000-Ex, P3500, P3500-Ex, P4000, P4000-Ex, P4500, P4500-Ex, P5000, P5000-Ex, P6000 P6000-Ex with associated filter housings Purimar Models SP-25, SP-25(Ex), SP-50, SP-50(Ex), SP-75, SP-75(Ex), SP-100, SP-100(Ex), SP-150, SP-150(Ex), SP-200, SP-200(Ex), SP-250, SP-250(Ex), SP-300, SP-300(Ex), SP-350, SP-350(Ex), SP-400, SP-400(Ex), SP-450, SP-450(Ex), SP-500, SP-500(Ex), SP-550, SP-550(Ex), SP-600, SP-600(Ex), SP-650, SP-650(Ex), SP-700, SP-700(Ex), SP-800, SP-800(Ex), SP-900, SP-900(Ex), SP-1000, SP-1000(Ex)	0	1	1	12-Feb-15
65	AMS-2013-Samsung Purimar-001	Samsung Heavy industries, Inc.	1000(Ex)	0	1	1	12-Feb-15
66	AMS-2015-PACT Marine-001	PACT Environmental Technology Co., Ltd	PACT Marine model P-300 OceanGuard BWTS models HMT-50, HMT-50E, HMT-100, HMT-100E, HMT-200, HMT-200-E, HMT-300, HMT-300E, HMT-450, HMT-450E, HMT-600, HMT-600E, HMT-800, HMT-800E, HMT-1000, HMT-1000E, HMT-1200, HMT-1200E, HMT-1500, HMT-1500E, HMT-2000, HMT-2000E, HMT-2500, HMT-2500E, HMT-3000, HMT-3000E	0	1	1	20-Mar-15
67	AMS-2013-Headway-OceanGuard-002	Qingdao Headway Technology Co., Ltd.	3000, HMT-3000E	0	1	1	20-Mar-15

No.	AMS_ID	Manufacturer	Description - Brand and Models Covered	Freshwater (< 1 PSU) (0 = No, 1 = Yes)	Brackish Water (10-20 PSU) (0 = No, 1 = Yes)	Marine Water (28 -36 PSU) (0 = No, 1 = Yes)	Acceptance Date
68	AMS-2013-ERMA FIRST BWTS-001	Erma First ESK Engineering Solutions SA	ERMA FIRST ESK BWTS models: 50, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000	1	1	1	31-Mar-15
69	AMS-2013-JFE BallastAce-001	JFE Engineering Corporation	JFE BallastAce 4500 with Treatment Rated Capacity from 17.5 thru 4500 m3/h, and associated filter housings	1	1	1	31-Mar-15
70	AMS-2013-SAMKUN ARA PLASMA-001	Samkun Century Co. Ltd	ARA-017, -028, -039, -063, -092, -126, -150, -190, -230, -250, -300	0	1	1	15-Apr-15
71	AMS-2014-Alfa Laval-PureBallast-004	Alfa Laval Yumba AB	PureBallasts 3.0 Ex and 3.1 Ex Models: 250, 300, 500, 600, 750, 1000, 1200, 1500, 1750, 2000, 3000	0	1	1	20-Apr-15
72	AMS-2015-Coldharbour Marine-001	Cold Harbour Inc.	GLD (Gas Lift Diffuser) Models 100,150, 200, 250, and 300; Associated SeaGuardian IGG (Inert Gas Generator) Models 500, 1000, 1500, 2000, 3000, 4000, 5000, and 6000; Associated GCT (Gas Cooling Tower) Models 500, 1000, 1500, 2000, 3000, 4000, 5000, and	0	1	1	16-Jun-15
73	AMS-2013-STDN-Balpure-001	DeNora Water Technologies, Inc.	BalPure production models BP-6, BP-8, BP-12, BP-24, BP-32, BP-36, BP-48, BP-60, and BP-75	0	1	1	16-Nov-15
74	AMS-2015-YP-BWMS-001	Zhejiang Yingpeng Marine Equipment Manufacturer Co., Ltd.	Zhejiang Yingpeng YP BWMS models YP-300, -500, -800, -1200	0	1	1	16-Nov-15
75	AMS-2015-KwangSan-BioViolet-001	Kwang San Co., Ltd.	Kwang San BioViolet models BioViolet-150, -250, -350, -500, -750, -1000, -1250, -1500	0	1	1	18-Nov-15
76	AMS-2013-GEA Westfalia BallastMaster-001	GEA Westfalia Separator Group	BallastMaster Ultra V 250 model and associated filter units	0	1	1	08-Jan-16
77	AMS-2015- Techcross Electro-Cleen-002	Techcross, Inc.	Freshwater only in these models: Electro-Cleen models ECS-150B, Ex-ECS-150B, ECS-300B, Ex-ECS-300B, ECS-450B, Ex-ECS-450B, ECS-600B, Ex-ECS-600B, ECS-1000B, and Ex-ECS-1000B. Marineor Brackish in the following models: Electro-Cleen models ECS-150B, Ex-ECS-150B, ECS-300A, Ex-ECS-300A, ECS-300B, Ex-ECS-300B, ECS-450B, Ex-ECS-450B, ECS-600A, Ex-ECS-600A, ECS-600B, Ex-ECS-600B, ECS-1000A, ECS-1000B, and Ex-ECS-1000B	1	1	1	08-Jan-16
78	AMS-2016-Hanla-EcoGuardian -001	Hanla IMS Co.	EcoGuardian models EGO130, 130-Ex, 250, 250-Ex, 350, 350-Ex, 500, 500-Ex, 800, 800-Ex, 1000, 1000-Ex, 1500, 1500-Ex, 2000, 2000-Ex, 2600, 2600-Ex, 3000, 3000-Ex, 4000, 4000-Ex, 6000, 6000-Ex	0	1	1	22-Jan-16

No.	AMS_ID	Manufacturer	Description - Brand and Models Covered	Freshwater ( $< 1$ PSU) (0 = No, 1 = Yes)	Brackish Water (10-20 PSU) (0 = No, 1 = Yes)	Marine Water (28 -36 PSU) (0 = No, 1 = Yes)	Acceptance Date
79	AMS-2013-NEI VOS-001	NEI Treatment Systems, LLC	VOS models VOS-500 to -6000 with ballast water treatment rated capacities of 100 to 6,500 cubic meters/hour (m3/hr)	1	1	1	22-Jan-16
80	AMS-2013-Jiangsu Nanji NiBallast-001	Jiangsu Nanji Machinery Co., Inc.	NiBallast models NB-200, NB-300, NB-400, NB-500, NB-600, NB-800, NB-1000, NB-1200, NB-1500, NB-1800, NB-2000, NB-2500, NB-3000, NB-4000, NB-5000 and associated filter units	1	1	1	25-Jan-16
81	AMS-2014-Miura-001	Miura Co., Ltd.	Miura models: HK-200(E), HK-300(E), HK-400(E), HK-6000(E)	1	1	1	16-Mar-16
82	AMS-2016-BIO-UV BIO-SEA-001	BIO-UV SAS	BIO-SEA® models: BIO-SEA® 30-50, 30-87, 60-55, 60-87, 90-87, 100, -200, -300, -400, -500, -600, -700, -800, -900, -1000, -1100, -1200, -1300, -1400, -1500, -1600, -1700, -1800, -1900, and -2000 with treatment rated capacities (TRC) of 100 to 2,000 cubic m	0	1	1	13-Jun-16
83	AMS-2016-Sunbo-BlueZone-001	Sunbo Industries Co., Ltd.	BlueZone System DNS Models: 250, 500, 600, 1000, 1500, 2000, 2400, 3000, 4000, 5000, 6000	0	1	1	15-Jun-16
84	AMS-2016-Alfa Laval-PureBallast-001	Alfa Laval Yumba AB	PureBallast 3.0, 3.0Ex, 3.1, and 3.1Ex 3.1, models 87, 135, 170, 250, 300, 500, 600, 750, 1000, 1200, 1500, 1750, 2000, 3000	1	1	1	16-Jun-16
85	AMS-2016-NYK-SkySystem-001	Nippon Yuka Kogyo Company, Ltd.	Sky-Systems (multiple models) with treatment rated capacities from 25 -34,000 cubic meters/hour (m3/hr)	0	1	1	16-Jun-16
86	AMS-2016-Elite Marine Seascape-001	Elite Marine Corp.	Seascape Models: 150, 250, 300, 500, 600, 800, 1000, 1200, 1600, 1800, 2000, 2400, 3000, 3200, 4000, 5000	1	1	1	15-Aug-16
87	AMS-2014-Cathelco-001	Cathelco, Ltd.	Cathelco Mini Model, and Modes: A1, A2, A4, A6, A8, A10, and A12.	1	1	1	19-Sep-16
88	AMS-2016-PACT-Marine-001	PACT Environmental Technology Co., Ltd	P-200, -300, -500, -750, -1000, -1250, -1500, -2000, -2500, -3000, -4000,	0	1	1	20-Oct-16
89	AMS-2016-Headway-OceanGuard-001	Qingdao Headway Technology Co., Ltd.	HMT 50, 100, 200, 300, 450, 600, 800, 1000, 1200, 1500, 2000, 2500, 3000, 4000	0	1	1	21-Oct-16
90	AMS-2016-Trojan Marinex-001	Trojan Technologies	Marinex Models 150, 150x, 250, 250x, 500, 500x, 750, 750x, 1000, 1000x, 1250, 1250x, 1500, 1500x	1	1	1	27-Oct-16
91	AMS-2016-KT MARINE-MARINOMATE-001	KT Marine Co., Ltd	MARINOMATE 300	0	1	1	15-Nov-16
92	AMS-2016-AHEAD-001	Ahead Ocean Technology, Co.	AHEAD I, AHEAD II, AHEAD III, AHEAD IV, AHEAD V, AHEAD VI, AHEAD VII, and AHEAD VII	0	1	1	28-Nov-16
93	AMS-2016- BSKY BWTS-001	Wuxi Brightsky Electronic Co., Ltd.	BSKY Models: 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000, 1100,1200, 1300, 1400, 1500, 2000, 3000, 4000, 5000, 6000	0	1	1	2-Dec-16

No.	AMS_ID	Manufacturer	Description - Brand and Models Covered	Freshwater (< 1 PSU) (0 = No, 1 = Yes)	Brackish Water (10-20 PSU) (0 = No, 1 = Yes)	Marine Water (28 -36 PSU) (0 = No, 1 = Yes)	Acceptance Date
94	AMS-2016-PANASIA- GloEn-Patrol-001	Panasia Co., Ltd	GloEn-Patrol models P50, P150, P-150-Ex, P250, P250-Ex, P300, P300-Ex, P350, P350-Ex, P500, P500-Ex, P700, P700-Ex, P750, P750-Ex, P800, P-800-Ex, P900, P900-Ex, P1000, P1000-Ex, P1200, P1200-Ex, P1500, P1500-Ex, P2000, P2000-Ex, P2500, P2500-Ex, P3000, P3000-Ex, P3500, P3500-Ex, P4000, P4000-Ex, P4500, P4500-Ex, P5000, P5000-Ex, P6000 P6000-Ex with associated filter housings	0	1	1	8-Dec-16
95	AMS-2016-Jiujiang OceanDoctor-001	Jiujiang Precision Measuring Technology Research Institute	HBS-50, -150, -250, -350, -500, -650, -750, -800, -1000, -1300, -1500, -1600, -2000	0	1	1	12-Dec-16
96	AMS-2016-Knutsen KBAL-001	Knutsen OAS Shipping AS	KBAL BWMS150, KBAL BWMS200, KBAL BWMS600, KBAL BWMS2000, KBAL BWMS3000	0	1	1	12-Dec-16
97	AMS-2014-MAHLE OPS-001	Filtration Group GmbH	OPS-50, -100, -150, -200, -250, -300, -400, -500, -600, -700, -750, -800, -900, -1000, -1100, -1250, -1500, -1750, -2000	0	1	1	20-Jan-17
98	AMS-2013-OceanSaver MK II-001	OceanSaver AS	C2E-S, C2E-M, C2E-L (multiple models of each), C2E-200 through C2E-7200 (multiple models)	0	1	1	22-Jan-17
99	AMS-2017-COSCO BOS-001	Cosco, Inc.	BOS05 models -200 through -3000, and -200-Ex through -3000-Ex	0	1	1	22-Mar-17
100	AMS -2017-Headway-OceanGuard-001	Qingdao Headway Technology Co., Ltd.	HMT 50, 100, 200, 300, 450, 600, 800, 1000, 1200, 1500, 2000, 2500, 3000, 4000	0	1	1	24-Mar-17
101	AMS-2017-MMC Green-001	MMC Green Technology AS	BWMS 50, 100, 150, 300, 370, 450, 500, 600, 750, 1000, 1400	1	1	1	28-Apr-17



**California State Lands Commission**  
**Marine Invasive Species Program**  
**Ballast Water Treatment Technology Annual Reporting Form**  
 Public Resources Code Section 71205(g)  
 July 1, 2010

Vessel Name:
Official / IMO Number:
Responsible Person's Name and Title:
Date Submitted (DD/MM/YYYY):

**Treatment System Information**

1. List the treatment system installed on board the vessel:

Manufacturer/Company: \_\_\_\_\_

Product Name: \_\_\_\_\_

Model Number: \_\_\_\_\_

1a. Mode(s) of Action (check all that apply):

Filtration <input type="checkbox"/>	Cavitation <input type="checkbox"/>	Hydrocyclone <input type="checkbox"/>	Deoxygenation <input type="checkbox"/>
Active Substance/Biocide <input type="checkbox"/>	Ultra Violet Irradiation <input type="checkbox"/>	Heat <input type="checkbox"/>	
Other <input type="checkbox"/> , please describe:			

1b. List all substances (i.e. chemicals, biocides, flocculants, neutralization agents) created or used by the treatment system (if any), and indicate whether or not the Material Safety Data Sheet is kept on board for each substance.

Substance	MSDS on Board?
	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
N/A <input type="checkbox"/> , No substances used by system.	

Official/IMO Number: \_\_\_\_\_

1c. Are manufacturer's technical guides, publications and/or manuals for the treatment system kept on board? Yes  No

2. When did the system installation receive classification society approval?

Date (DD/MM/YYYY): \_\_\_\_\_

3. Did the system installation occur (check all that apply):

As part of a scheduled out of water dry docking? Yes  No

During a special/non-routine out of water dry docking? Yes  No

Without the need for out of water dry docking? Yes  No

4. Has there been any significant upgrade/modification to the system since classification society approval? (Do not include repairs. See instructions for more information and definition of significant.)

Yes <input type="checkbox"/>	Date of Upgrade (DD/MM/YYYY):
Describe upgrade:	
No <input type="checkbox"/>	

5. Has any unscheduled or emergency maintenance been performed on the system since classification society approval (or since the previously submitted Ballast Water Treatment Technology Annual Reporting Form)?

Yes <input type="checkbox"/>	Date of Most Recent Event (DD/MM/YYYY):
Describe most recent maintenance event:	
No <input type="checkbox"/>	

6. Is the vessel in compliance with the requirement to maintain a ballast water treatment performance log on board? (This log may be incorporated into the existing ballast water management log. See form instructions for minimum requirements). Yes  No

7. Is system performance (i.e. biological efficacy) verified on a regular basis? Verification is not a requirement by the State of California, however, regular performance testing will allow the vessel to ensure the system is working properly.

Yes <input type="checkbox"/>				
How often:	Weekly <input type="checkbox"/>	Monthly <input type="checkbox"/>	Yearly <input type="checkbox"/>	Every 2 years <input type="checkbox"/>
Other <input type="checkbox"/> , describe:				
No <input type="checkbox"/>				

**California State Lands Commission  
Marine Invasive Species Program  
Ballast Water Treatment Technology Annual Reporting Form  
Public Resources Code Section 71205(g)  
July 1, 2010  
Instructions for Completing Annual Reporting Form**

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**BALLAST WATER TREATMENT TECHNOLOGY ANNUAL REPORTING FORM  
TO BE SUBMITTED ANNUALLY BY VESSELS THAT HAVE A BALLAST WATER  
TREATMENT SYSTEM INSTALLED ON BOARD, AND HAVE OR WILL BE  
DISCHARGING TREATED BALLAST IN WATERS OF THE STATE**

**FORM MUST BE SUBMITTED within 60 days of receiving a written or electronic  
request from the Commission**

**SUBMIT THE COMPLETED FORM TO:**

California State Lands Commission  
Marine Facilities Division  
200 Oceangate, Suite 900  
Long Beach, CA 90802  
FAX: 562-499-6444  
Email: [bwform@slc.ca.gov](mailto:bwform@slc.ca.gov)

### **Treatment System Information**

**Question 1:** Provide the requested information for each ballast water treatment installed on the vessel. **NOTE:** If more than one treatment system is installed on board the vessel, the form must be filled out separately for each system.

- List the system manufacturer or company (For example - Acme Incorporated).
- List the product name, if applicable (For example - Acme Ballast Water Treatment System).
- List the model number, if applicable (For example - Acme Model # 5454). Do not provide the serial number.
  
- **Question 1a.** Check ALL appropriate boxes that describe the mode(s) of action that the system uses to treat ballast water. For example, if the system first filters the water and then uses ultraviolet radiation, check both “filtration” and “ultraviolet irradiation.” If the system uses a mode of action not described, check “Other” and then describe the mode of action.
  
- **Question 1b.** If applicable, please provide the name(s) of all substances (chemicals or biocides that kill or inactivate organisms in ballast water, flocculating agents, and/or neutralizing agents) manufactured by or associated with the use of the ballast water treatment system (e.g. hypochlorite, sodium bisulfate...). If no substances are used by the system, check “N/A” and move to Question 1c. Some systems may use multiple substances. Please list all of them.

Refer to the Material Safety Data Sheets (MSDS) as necessary to answer this question. Additionally, indicate whether or not the MSDS is kept on board for each substance, if applicable.

- **Question 1c.** Check the appropriate box to indicate if the vessel maintains the ballast water treatment system manufacturer's technical guides, publications and/or manuals on board.

**Question 2:** Indicate the date (DD/MM/YYYY) when the ballast water treatment system installation received classification society approval for operation on the vessel.

**Question 3:** Please mark "yes" or "no" for each of the following:

- Was the ballast water treatment system installed during the regularly scheduled out of water dry docking of the vessel (For example - in conjunction with a dry docking scheduled for a classification society inspection or hull maintenance/repair)?
- Did the vessel require a special (non-routine) out of water dry docking that was scheduled exclusively for the installation of the ballast water treatment system?
- Was the ballast water treatment system installed without the need for out of water dry docking (For example - while the vessel was still in the water or while underway)?

**Question 4:** Since receiving classification society approval, has the ballast water treatment system been "significantly" modified or upgraded. For the purposes of this question, "significant" means a modification to the system:

- Which changes its volumetric capacity to treat ballast water by 15 percent or greater; or
- Which changes the mode of action of the treatment system; or
- Which is projected to prolong the life of the ballast water treatment system by 10 years or more; or
- Which results in a modification to the ballast water treatment system other than component replacement-in-kind.

If the answer is "Yes" to ANY of the bullets above, then check "Yes" and fill in information for date of upgrade and generally describe the nature and extent of the update/modification to the ballast water treatment system. (For example - Filtration unit was enlarged to handle 20% more capacity of incoming ballast water).

If the answer is "No" to ALL of the bullets above, check "No" and proceed to Question 5.

**Question 5:** Check the appropriate box to indicate whether or not the system has undergone any unscheduled or emergency maintenance since the system was commissioned.

- If "Yes" was selected, describe the most recent emergency or unscheduled maintenance event. What type of malfunction occurred? How was it addressed? Provide the date (or dates) of when this event occurred.
- If "No" was selected, proceed to Question 6.



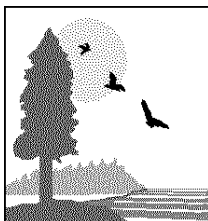
**Question 6:** Check the appropriate box to indicate whether the vessel is in compliance with the requirement to maintain a ballast water treatment performance log on board. The ballast water treatment performance log may be maintained as part of the ballast water management log or as an independent document.

At a minimum, the ballast water treatment performance log must include:

- The dates, times, and locations of the starting and stopping of the system for the purpose of treating ballast water.
- Dates, time and descriptions of any system malfunctions, including problem resolution.
- Dates, times and locations of both scheduled and unscheduled maintenance of the system.
- All relevant measures of system performance recorded during system operation. For example - UV transmittance, residual chemical concentration.

**Question 7:** Check the appropriate box to indicate whether system performance (i.e. biological efficacy) is verified (either by the vessel, the system manufacturer or a third party organization) on a regular basis. The State of California does not require vessels to conduct system performance verification, however, regular performance testing will allow the vessel to ensure the system is working properly.

- If “Yes” was selected, check the appropriate box to indicate the frequency with which the performance/efficacy of the ballast water treatment system is verified. If the system is verified on a different schedule, check “Other” and describe that schedule.
- If system performance verification is not conducted, select “No.”



**California State Lands Commission**  
**Ballast Water Treatment Supplemental Reporting Form**  
 Public Resources Code Section 71205(g)  
 July 1, 2010

**ALL VESSELS MUST ALSO SUBMIT BALLAST WATER REPORTING FORM**

**IS THIS AN AMENDED REPORTING FORM? Yes  No**

**Vessel Information**

**Voyage Information**

Vessel Name:	Arrival Port:
Official/IMO Number:	Arrival Date (DD/MM/YYYY):

**Ballast Water Treatment**

1. Did the treatment system experience any malfunction that affected the treatment of ballast water to be discharged at this arrival port?

Yes  , please provide the following information:

Date of malfunction (DD/MM/YYYY): \_\_\_\_\_

Explain the malfunction: \_\_\_\_\_

If applicable, how was the situation resolved? \_\_\_\_\_

No

2. Ballast Water Treatment History. Provide information for all ballast tanks that will be discharged at arrival port. Enter additional tanks on page 2. One tank per line. If none, go to Question #3.

Tanks/ Holds	BW Source			BW Discharge			BW Treatment		
	Date (DD/MM/YY)	Port or Lat-Long	Volume (Units)	Date (DD/MM/YY)	Port or Lat-Long	Volume (Units)	Date of 1st treatment (DD/MM/YY)	Date 2nd treatment (if applicable) (DD/MM/YY)	Volume Ballast Treated (Units)

**Ballast Water Tank Codes: Forepeak = FP, Aftpeak = AP, Double Bottom = DB, Wing = WT, Topside = TS, Cargo Hold = CH, Other = O**

3. Responsible Officer's Name and Title: \_\_\_\_\_

Vessel IMO Number: \_\_\_\_\_

Tanks/ Holds	BW Source			BW Discharge			BW Treatment		
	Date (DD/MM/YY)	Port or Lat-Long	Volume (Units)	Date (DD/MM/YY)	Port or Lat-Long	Volume (Units)	Date of 1st treatment (DD/MM/YY)	Date 2nd treatment (if applicable) (DD/MM/YY)	Volume Ballast Treated (Units)

**Ballast Water Tank Codes: Forepeak = FP, Aftpeak = AP, Double Bottom = DB, Wing = WT, Topside = TS, Cargo Hold = CH, Other = O**

California State Lands Commission  
Marine Invasive Species Program  
Ballast Water Treatment Supplemental Reporting Form  
Public Resources Code Section 71205(g)  
July 1, 2010

Instructions for Completing Supplemental Reporting Form

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**REMINDER: ALL VESSELS MUST SUBMIT BALLAST WATER REPORTING FORM**

**BALLAST WATER TREATMENT SUPPLEMENTAL REPORTING FORM TO BE SUBMITTED  
Upon departure from each port or place of call in California ONLY IF:**

- **Ballast Water Was Treated; AND**
- **Ballast Water Was Discharged Into California Waters**

**Vessels that have ballast water treatment systems and discharge treated ballast into California waters must also annually submit:  
Ballast Water Treatment Annual Reporting Form  
SUBMIT THE COMPLETED FORM(S) TO:**

California State Lands Commission  
Marine Facilities Division  
200 Oceangate, Suite 900  
Long Beach, CA 90802  
FAX: 562-499-6444  
Email: [bwform@slc.ca.gov](mailto:bwform@slc.ca.gov)

**Question 1:** Check the appropriate box to indicate whether the vessel or the ballast water treatment system experienced any malfunction or unexpected situation (For example - UV bulbs burned out) that may have impacted the treatment of ballast water to be discharged at this arrival port.

- If Yes is selected, enter the date or dates (DD/MM/YYYY) when the problem occurred, describe the problem (malfunction) and how (if applicable) the situation was resolved.
- If No is selected, proceed to Question #2.

**Question 2:** Provide information about each ballast water tank that underwent treatment and was subsequently discharged into California waters during this port visit. Do not submit information on tanks that were not discharged into California waters.

**TANK**

Please list ***all tanks and holds*** that you have discharged into California waters. Follow each tank across the page listing all source(s), discharge and treatment events separately.

***List each tank on a separate line.*** Use an additional page if necessary, being careful to include IMO number at the top of the second page (if necessary).

***For tanks with multiple sources:*** List each source on a separate line.

**BW SOURCE**

**Date:** Report date of ballast water uptake (DD/MM/YY).

**Port or latitude/longitude:** Report location of ballast water uptake. ***No abbreviations for ports.***

**Volume:** Report total volume of ballast water uptake, ***with volume units.***

BW DISCHARGE

**Date:** Record date of ballast water discharge (DD/MM/YY).

**Port or latitude/longitude:** Report location of ballast water discharge. ***No abbreviations for ports.***

**Volume:** Report volume of ballast water discharged, ***with volume units.***

BW TREATMENT

**Date of 1<sup>st</sup> treatment:** Indicate the date (DD/MM/YY) when ballast water treatment was initiated for that tank. If treatment occurred over several days, list the day when treatment began.

**Date of 2<sup>nd</sup> treatment:** If applicable, provide the date (DD/MM/YY) when secondary ballast water treatment occurred. (For example - If ballast water was treated with UV both on uptake and discharge, put the date of treatment on uptake in the 1st column and the date of treatment on discharge in the 2nd column).

**Volume:** For each tank to be discharged, report total volume of ballast water treated by the ballast water treatment system, ***with volume units.***

**Question 3:** Enter the responsible officer's name and title.