

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 Tumba AB	PureBallast 250-2500	0	1	1	15-Apr-13
2	AMS-2013-Alfa Laval-PureBallast-002	Alfa Laval Tumba AB	PureBallast 2.0/2.0 Ex	0	1	1	15-Apr-13
3	AMS-2013-STDN-BalPure-001	DeNora Water Technologies, Inc.	BalPure BWTS: BalPure models BP-6, -8, -12, -24, -32, -36, -48, -60, -75, -500, -675, -1000, -2000, -2650, -3000, -4000, and -5000,	0	1	1	15-Apr-13
4	AMS-2013-Ecochlor-001	Ecochlor Inc.	Ecochlor, incorporating Series 75, 100, 150, 200, 250, and 300, 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	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-03-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	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	0	1	1	1-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	0	1	1	24-Jun-13
12	AMS-2013-Hyundai-HiBallast-001	Hyundai Heavy Industries, Inc.					

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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	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,	0	1	1	4-Oct-13
18	AMS-2013-Techcross Electro-Cleen-001	Techcross, Inc.	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	4-Oct-13
19	AMS-2013-BSKYBallastWaterTreatmentSystem-001	Wuxi Brightsky Electronic Co.,  Ltd.	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	4-Oct-13

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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
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, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, and 3000.	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	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	7-Jan-14

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31	AMS-2014-AquaStar-002	Aqua Engineering, Inc.	AquaStar -EX Models H-200S-EX, -300-EX, -350-EX, and -650-EX	0	1	1	7-Jan-14
32	AMS-2014-Auramarine CrystalBallast-001	Aura Marine, Inc.	CrystalBallast Models CB75 and CB250	0	1	1	7-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	7-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
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	3-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	4-Mar-14
37	AMS-2014-Hyundai EcoBallast-001	Hyundai Heavy Industries, Inc.	EcoBallast models -360,-600, -700,-720, and -1000	0	1	1	4-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	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 Tumba AB	PureBallasts 3.0 models: 300, 600, 1000	0	1	1	4-Jun-14
43	AMS-2014-Alfa Laval-PureBallast-004	Alfa Laval Tumba AB	PureBallasts 3.0 Ex models: 300, 600, 1000	0	1	1	4-Jun-14
44	AMS-2014-Jiujiang OceanDoctor-001	Jiujiang Precision Measuring Technology Research Institute	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	6-Jun-14

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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	3-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	2-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
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	2-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	2-Oct-14
52	AMS-2014-Elite Marine Seascope-001	Elite Marine Corp.	Elite Marine Seascope model: Seascope-250-BWMS	0	1	1	3-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	7-Nov-14
55	AMS-2013-Optimarin Ballast System-001	Optimarin AS	Optimarin Ballast System Ex and non-Ex (multiple models)	0	1	1	7-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	1-Dec-14

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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	5-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	5-Dec-14
60	AMS-2014-Hyundai EcoBallast-001	Hyundai Heavy Industries, Inc.	EcoBallast models -360,-600, -700,-720, and -1000	0	1	1	5-Dec-14
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	0	1	1	5-Dec-14
62	AMS-2015-DESMI RayClean-001	Desmi Ocean Guard AS	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	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	0	1	1	12-Feb-15

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65	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), 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
66	AMS-2015-PACT Marine-001	PACT Environmental Technology Co., Ltd	PACT Marine model P-300	0	1	1	20-Mar-15
67	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	20-Mar-15
68	AMS-2013-ERMA FIRST BWTS-001	Erma First ESK Engineering Solutions SA	ERMA FIRST ESK 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; and ERMA FIRST FIT BWTS models 100, 200, 300, 400, 600, 800, 1000, 1200, 1500, 2000, 2500, and 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	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 Tumba 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

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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	8-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	8-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
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



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
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 Tumba AB	PureBallast 3.0, 3.0 Ex, 3.1, 3.1 and 3.1 Ex, 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 through 6000	0	1	1	2-Dec-16
94	AMS-2016-PANASIA- GloEn-Patrol-001	Panasia Co., Ltd	GloEn-Patrol models P50 through P6000 and P50-Ex through P6000-Ex	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	Models KBAL BWMS150 through BWMS 3000	0	1	1	12-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
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
102	AMS-2017-Semb-Eco LUV-001	Sembcorp Marine Repairs & upgrades Pte. Ltd.	Seb-Eco LUV models: 500, 1500	1	1	1	27-Jul-17
103	AMS-2017-Wartsila AQUARIUS UV/UVX-001	Wartsila Water Systems, Ltd.	Wartsila AQUARIUS UV and UVX models (AQ-50-UV through AQ-1000-UV; and AQ-50-UVX through AQ-1000-UVX) with capacities up to 6,000 m <sup>3</sup> /h	1	1	1	9-Aug-17
104	AMS-2017-Wartsila AQUARIUS EC/ECX-001	Wartsila Water Systems, Ltd.	Wartsila AQUARIUS EC and ECX models (AQ-250-EC through AQ-4000-EC; and AQ-250-ECX through AQ-4000-ECX) with capacities up to 16,000 m <sup>3</sup> /h	0	1	1	9-Aug-17
105	AMS-2017-Alfa Laval-PureBallast-001	Alfa Laval Tumba AB	PureBallast 3.0, 3.0 Ex, 3.1, 3.1 and 3.1 Ex, models 85 through 3000, including HP models and 85 and 150 Compact HP Systems	1	1	1	11-Aug-17
106	AMS-2017-BIO-SEA-001	BIO-UV SAS	BIO-SEA models 100 through 2000 and BIO-SEA models A01-005 through A14-2000.	0	1	1	18-Aug-17
107	AMS-2017-ATPS-BLUE 001	Panasonic Environmental Systems & Engineering Co., Ltd.	Panasonic models of ATPS-Blue System ATPS-12 through ATPS-Blue System ATPS-7200 having a TRC range of 12 - 7,200 m <sup>3</sup> /hr.	0	1	1	15-Sep-17
108	AMS-2017-Hyde-Guardian Gold-001	Hyde Marine Inc.	Hyde Guardian Gold models HG 60 through HG 6000 having a TRC range of 60 - 6,000 m <sup>3</sup> /hr.	1	1	1	15-Sep-17
109	AMS-2017-GEA Westfalia BallastMaster-001	GEA Westfalia Separator Group	BallastMaster Ultra V 250 model	0	1	1	20-Nov-17
110	AMS-2018-SEMB-ECO LUV-001	Sembcorp Marine Repairs & upgrades Pte. Ltd.	Semb-Eco LUV models: 250, 500, 750, 1000, 1500	1	1	1	8-Jan-18
111	AMS-2018-Miura-001	Miura Co., Ltd.	Miura models: HK-200(E), HK-300(E), HK-400(E), HK-6000(E)	1	1	1	30-Jan-18
112	AMS-2018-BIO-SEA-001	BIO-UV Group	BIO-SEA B models 0055 - 2000	1	1	1	17-Apr-18

