



MARINE SAFETY CENTER REGISTER OF RECEIVED LETTERS OF INTENT (LOIs)

Manufacturer	Model	LOI Received	Readiness Evaluation	Application Received
Alfa Laval Tumba AB	PureBallast 2	13JUL18	07FEB19	28SEP20
	PureBallast 3	19FEB16	12MAR16	21SEP16
	PureBallast 3.2	Blog Post		18MAR19
Atlantium Technologies	Atlantium	31JAN18	29MAY18	10MAY21
AQUASTAR Co., Ltd.	AquaStar	13SEP16	29JAN20	03JUN22
BAWAT A/S	BAWAT	12JUL16	21SEP17	19JUL19
BIO-UV	BIO-SEA	27MAR15	24JUN15	12MAR18
Cathelco Ltd.	Evolution	12FEB16	13JUN16	19OCT18
COSCO Shipbuilding Industry Company	Blue Ocean Shield	11AUG15	13FEB17	13JUN19
Cyeco Environmental Technology Co., Ltd.	Cyeco	04MAR21	7OCT22	16MAR23
De Nora Water Technologies	BALPURE	25MAR15	14JUN16	03MAR18
Desmi Ocean Guard A/S	RayClean	07FEB13		
	CompactClean	29MAR17	06SEP17	18OCT18
Ecochlor, Inc.	Ecochlor	04DEC14	10APR15	31MAR17
Elite Marine Ballast Water Treatment System Corp.	Seascape	10AUG15	26APR16	17JUN20
ERMA First Esk Engineering Solutions	ERMA FIRST FIT	01OCT14	18APR17	02MAY17
Evonik	Avitalis	13APR16	16AUG16	
Evoqua Water Technologies LLC	SeaCURE	16OCT14	22JAN15	07JUN19
GenSys GmbH	GenSys	16NOV16	28FEB19	
HANLA IMS Co., Ltd.	EcoGuardian	07JUL16	07DEC16	28JUN19
	EcoGuardian NF	8NOV21	16MAY22	
Headway Technology Co., Ltd	OceanGuard	13AUG14	21OCT14	09MAY18
Hyde Marine	GUARDIAN	02MAR15	23APR17	27DEC19
Hyundai Heavy Industries	EcoBallast	27JUN16	16MAR17	01APR19
	HiBallast	16OCT15	15AUG16	31MAY18
	HiBallast-NF	03JUL19	06NOV19	23APR21
	HiBallast HyB	14SEP22		
JFE Engineering Corporation	BallastAce	04JUL16	29AUG16	29MAR18

MARINE SAFETY CENTER REGISTER OF RECEIVED LOIs

Manufacturer	Model	LOI Received	Readiness Evaluation	Application Received
Jiangsu Nanji Machinery Co., Ltd	NiBallast	27OCT15	04AUG17	31MAY21
Knutsen Ballast Water AS	KBAL	23MAY17	19SEP18	31JUL20
Kuraray Co., Ltd	Microfade II	13MAR17	22AUG17	04FEB20
Langh Tech Oy Ab	Langh BW	12MAR21	13MAY21	31MAY22
Miura Co., Ltd.	HK-S(E)	17JUL15	13APR17	23JAN19
	HK-C	25JAN18	24APR18	16APR19
	HK-R	01JUN18	02JUL18	31DEC19
NEI Treatment Systems, LLC	VOS	08JUL20		
NKBMS Co., Ltd	NK-C1 BlueBallast	30MAY16	07SEP16	
	NK-O3 BlueBallast II Plus	09JUL17	03OCT17	27SEP18
	NK-O3 BlueBallast II	20MAY18	28MAR17	30AUG18
Norwegian Greentech (NGT)	NGT	26OCT16	15OCT18	03JUN21
oneTank, LLC	oneTank	23OCT19	14NOV19	12JUN20
Optimarin AS	OBS	16OCT14	26OCT15	20SEP16
Panasia Co., Ltd.	GloEn-Patrol	9DEC13	27OCT15	30MAR18
Panasonic Environmental Systems & Engineering Co., Ltd	ATPS-BLUEsys	03JUL17	21MAR18	30JAN20
SAMKUN CENTURY CO., LTD.	ARA PLUS	04JUL19	02APR21	17NOV22
Samsung Heavy Industries Co., Ltd	Purimar	24JUN15	27OCT15	28SEP17
Scienco/FAST	inTank	27SEP16	01DEC17	20JUL18
Semb-Eco Pte. Ltd.	LUV U1	13MAY16	09AUG16	27NOV18
SKF Marine GmbH	BlueSonic	03AUG18	22OCT18	28SEP20
Sunrui Marine Environment Engineering Co., Ltd.	BalClor	03FEB15	01JUL15	24JAN17
	BalClor Smart	08JUL22		
TeamTec BWMS AS	Oceansaver MKII	17DEC14	28APR15	23SEP16
	Senza	04OCT18	12MAR19	09OCT20
Techcross Inc.	Electro-Cleen	04SEP15	12OCT16	31OCT17
	ECS-HYCHLOR	20JUL15	24OCT16	13JAN20
	ECS-HYCHLOR 2.0	23MAR21	30APR21	16FEB23
Trojan Marinex	Marinex	28APR14	07MAY19	
RWO GmbH	CleanBallast - OBS	17MAY18	17OCT18	27JUL21

MARINE SAFETY CENTER REGISTER OF RECEIVED LOIs

Manufacturer	Model	LOI Received	Readiness Evaluation	Application Received
Wartsila Water Systems Ltd.	AQUARIUS EC	17APR14	22JUL14	09APR18
	AQUARIUS UV	07JUL16	05JUN17	19OCT18
Wuxi Brightsky Electronic Co.	BSKY	17OCT17	10JUL18	30DEC20

The Marine Safety Center Register of Received LOIs informs the public about all statutorily required notifications the Coast Guard has received for systems that are actively pursuing type approval. While initial notification is required, it is not compulsory to notify the Marine Safety Center if any testing changes; accordingly, where voluntary resubmissions of the LOI or readiness evaluation have been sent, only the first notification received has been published above.