



National Cargo Bureau Presentation

by, Anthony Atthowe, Staff Surveyor, Port of Portland





... Safety of Life

and Cargo at Sea...

National Cargo Bureau was created in 1952 by the U.S. Coast Guard as a not-for-profit organization in order to assist the Coast Guard in the discharge of their responsibilities under the Safety of Life at Sea (SOLAS) Convention of 1948 and other purposes closely related thereto, and was given the mission of "Safety of Life and Cargo at Sea"



1947 Texas City Disaster

The deadliest industrial accident in US history occurred in Texas City, Texas on 16-17 April 1947





Over 550 lives lost and more than 5000 injured



500+ Homes Destroyed



Army, Navy and Relief Agencies Rush Aid To Blast Scene

The Port Arthur News

Partly Cloudy

Planes Rushing Blood, Medicine To Stricken Area

Red Cress, Selvation Army Giring Relief: Refugees Are Housed

By Associated Press

Aid within the press and Arrest the U.S. Navy, the American Bod Cross, the state. of Texas, the Solvation Acres, and Streets of present of present of texas

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Come Great school sur-

Wood Plants, Published Walter to the Part of the Jaycee Banquet

Rooring Flames, Billowing Smoke . . . and Destruction and Death in Texas City



Starting fromto and billipring reprise merk the source of distriction and death at the place of the Mannatus Chemical company at Topic Cor. as elemented from the day Wadnesday by Concession George R. Moon of Part Ascher, Parts that the entire opportune of a station of the building at the explosion. Many healtrs were still in the piece when the photograph was made. For other graphic photos, one

Tentative List

Of Casualties

TRACE CITY, Tra-

Flood of Condolence Messages Is Received

Gen. Einenhover Assures Gov. Justin Army Will Sand

All Aid Meeded; Garagia, Landon, Fario Otto: Sympathy

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Set for Tonight

Masics City Atturney

The prince and efficient hands in the state of the state

Strike Is Closing Plant of Goodrich

Fred I. Luffeman

Is Killed in Blast

Former Part Arthuras

We in Dock Aren at Time

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714 Known Victims Of Major Disaster

200 Ballered Buried Under Debris: Second Ship Explodes at Docks Early This Morning

BY ROBERT E. BROWN
TEXAS CITY. Two. April 17 (UP)...While former
fought of lead right raping oil first today in this shuttered Texon Golf enert judgated torm which was cooked by now blance
of Golf enert judgated torm which was cooked by now blance -ton of which diskingrated another freighter at the docksestional headquarters of the Red Cross reported today 714 were known dead in the Team City explosions.

This figure does not include, the End Cross said, approxi-mately 200 dead "believed" to be busing in the debrie along the city's water/rest where the first bited accumed.

The information, bandquarters said, came from John C. Willess of St. Louis, manager of the Red Cross midwestern

men, who is sansiving superis from organization scotters have.

More than 2008 were injured, the Bod Cross expected, in one of the grim tengedies of Asseries e discour history. Order gradually was being restored, the find Cross said.

MORE THAN 400 BODIES COUNTED

But no exceeds figures could be much better than a given. More than 400 hades had been sourced. Not notif the flames schools could the facusands of recess workers hope to reach other budges-perhaps somes, perhaps busheds—in the wat-

The ract Measures Chemical company plant, left a "rejused chell," may hald the fate of seasy person, efficiele said. About 500 were working there Wednesday mayning when a French freighter headed with altester blew up, throwing checks of steel for suites and setting all the chain of blace

and fee. The fee of presence about the French Lines skip Good The fee of presence about the French Lines to the The fides of consenses about the Teleph Flyet, which is not tree. Carrie and the American telephon (Figh Flyet, which is no tree. to bits for me explosion testing—15 is more after the Greend Carrie application—who evidence. Figs, word that any absented the Franch whip had no vived same from the Franch Lores office. in New York, which said that at least fire view alive, two of

listed all danger of further major replectors had possed. Eight Oil Flore Counted

Plant of Goodrich
PORT SECRED. And I For Treasprove combes of the land statement of upon complete which preference (AFL) lead of Seasonest will metallish a paken a United Season the force at hell mallimental state of the preference of the complete which as paken a United Season the force at hell mallimental state of these other for at the gate of the General Robbin plans have Friday has of time seeding their will flames, request with pillars of head of the gate of the control of th



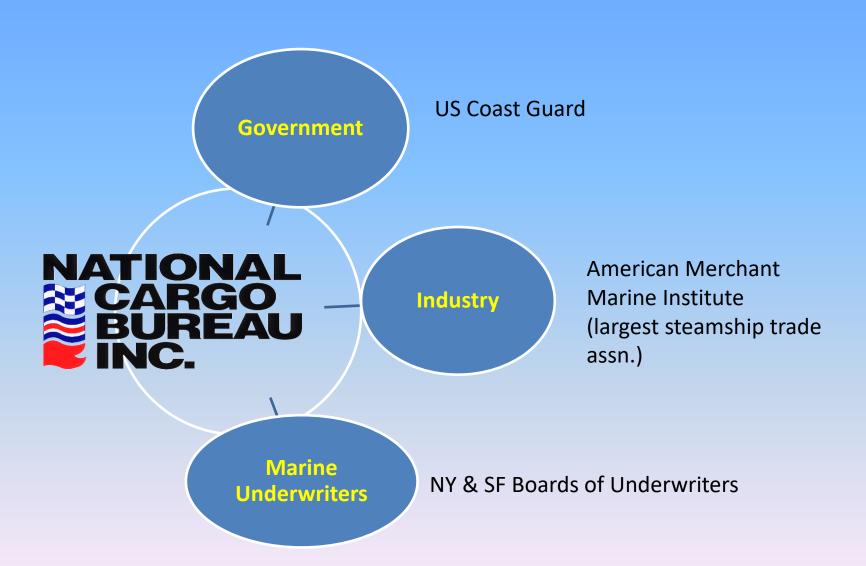
1947 Texas City Disaster



Ammonium Nitrate reaches explosive threshold onboard SS Grandcamp. Massive Explosion destroys vessel and port



1952 PARTNERSHIP PLAN



National Cargo Bureau Created



- NCB was incorporated as a not for profit membership organization on May 6, 1952
- The surveying staff of the Board of Underwriters of New York and the Board of Marine Underwriters of San Francisco became the first surveying staff of National Cargo Bureau
- NCB started operations on November 19, 1952, the same day the 1948 SOLAS Convention went into effect





Currently a staff of 70 Surveyors throughout 18 port offices.



National Cargo Bureau Activities that Support US Coast Guard

- Hazmat Container Inspections over 20,000 containers in 2021
- Hazmat Training and Onboard Seminars
- DCM and Stow Plan Review 49CFR/IMDG compliance onboard vessels
- US Delegation to IMO
- US representation on international correspondence and working groups
- Hazmat Policies (e.g. Terminal Operations)
- Flat Rack Inspections over 8,000 in 2021
- Grain Loading Inspections –over 2600 in 2021



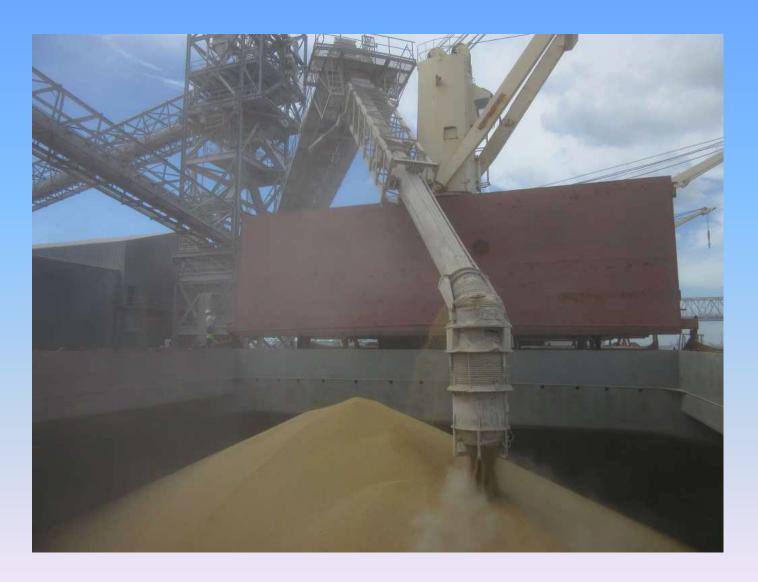
46CFR 172.040 Grain Certificate of Loading

172.040 Certificate of loading.

- (a) Before it sails, each vessel that loads grain in bulk, except vessels engaged solely on voyages on the Great Lakes, rivers, or lakes, bays, and sounds, must have a certificate of loading issued by an organization recognized by the Commandant for that purpose. The certificate of loading may be accepted as prima facie evidence of compliance with the regulations in this subpart.
- (b) The Commandant recognizes the National Cargo Bureau, Inc.,for the purpose of issuing certificates of loading.



Vessel loading Grain







NATIONAL CARGO BUREAU, INC. GRAIN STABILITY CALCULATION FORM

* (Required for vessels loading bulk grain in the United States of America)

M.V. Liber	Liberty Eagle		YEAR BUILT 2003 AT CITY OShima
COUNTRY OF REGISTRY United States	NET TONNAGE 17820	IMO NO. 9278753	IN COUNTRY Japan
AGENT T. Parke	er Host	·	

GRAIN LOADING BO	OOKLET APPROVED	BY National Ca	rgo Bureau, l	Inc.
	AG STATE)	United State	es	
DRAWING NO.	20041000	DATE OF APPR	ROVAL 22 Dece	ember 2003
APPLICABLE REGU	LATIONS Int	ernational Grai	n Code	
	NTRIMMED ENDS AF			let
DRAWING NO		DATE OF	APPROVAL	
LOADING PORT(S)	Norfolk, USA	4		
BUNKERING PORT((S) Balboa, Pana	ıma		
DISCHARGE PORT(Dahlian, Chi	na		
STEAMING DISTAN	CE 10388 MI	LES MILES PER D.	AY 324	TIME 32.1 days
DAILY CONSUMPTION	ON: FUEL 28.5 m	t DIESEL 2	2.0 mt	WATER NIL
	DISPLACEMENT			FREEBOARD
**WINTER		50418.0 mt		4.676 m
SUMMER		51812.0 mt		4.420 m
**TROPICAL	62770.0 mt	53211.0 mt	12.533 m	4.164 m
FRESH WATER ALL	OWANCE0.279	m TPC/T	(AT SUMMER DE	RAFT) 54.56 mt

** IF APPLICABLE

THIS IS TO CERTIFY THAT:

- THIS CALCULATION IS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE VESSEL'S GRAIN LOADING BOOKLET AND THE APPLICABLE GRAIN REGULATIONS.
- THE STABILITY OF THE VESSEL WILL BE MAINTAINED THROUGHOUT THE VOYAGE IN ACCORDANCE WITH THIS CALCULATION.

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	I Kneep
CALCULATION PREPARED BY:	3 	MASTER'S SIGNATURE
(TO BE COMPLETED IF THE FORM IS PREPARED		C. THOMPSON
BY OTHER THAN SHIP'S PERSONNEL)	-	MASTEL STUME (PRINTED)
	EXAMINED BY:	1 Dums
NAME (PRINT)		N.C.B. SURVEYOR'S SIGNATURE
COMPANY		M. BURNS
SIGNATURE	·	N.C.B. SURVEYOR'S NAME (PRINTED)
DATE	DATE:	1 NOVEMBER 2011

NOTE: ORIGINAL STABILITY CALCULATION AND GRAIN ARRANGEMENT PLAN TO BE SUBMITTED TO THE N.C.B. SURVEYOR. ALL TONNAGES USED IN THIS CALCULATION SHALL BE SHOWN IN THE SAME UNITS AS USED IN THE GRAIN LOADING BOOKLET.

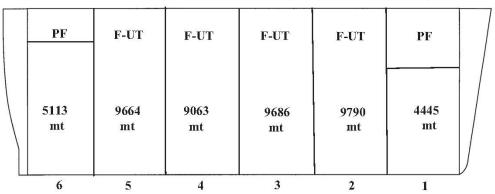


SHIP AND CARGO CALCULATION

PE OF G	BRAINV	Vheat	s	TOWAGE F.	ACTOR		1.198 _M	3/MT4	3	FT 3/L
COMPT.	CARGO	S.F.	GRAIN C	CUBICS (2)	WEIGHT	V.C.G.	MOMENT	S.F.	S.F.	DEN
NO.	(1)	(1)	TOTAL	USED	(3)		(3)]		
1	Wheat	1.198	9323	5325	4445	7.00	31115	_M ³	FT ³	MT
2			11729		9790	9.59	93886	MT	LT	M ³
3			11604		9686	9.60	92986	1.171	42	0.854
4					7 7 7 7 7		21/2/20 POSE (PV	1.184	42.5	0.844
950			10858		9063	9.56	86642	1.212	43.5	0.825
5	1/2		11577		9664	9.61	92871	1.226	44	0.816
6	V	V	7454	6125	5113	8.60	43972	1.240	44.5	0.806
		•	7,1201	0120	3113	0.00	137 / 2	1.254	45	0.797
								1.268	45.5	0.789
								1.282	46	0.780
	-			-	-	+ +		1.296	46.5	0.772
								1.310	47	0.763
						1 1		1.324	47.5	0.755
					-	+ +		1.338	48	0.747
								1.352	48.5	0.740
								1.366	49	0.732
								1.380	49.5	0.725
								1.393	50	0.718
								1.407	50.5	0.711
						1 1		1,421	51 51.5	0.704
						+		1,435	51.5	0.697
								1,477	53	0.677
		•						1.505	54	0.664
THIS CA	LCULATION	IS	CARGO	TOTALS	47761	1	441472	1.533	55	0.652
PREPAR	RED IN:			-	0.022.000			1.561	56	0.641
			LIC	SHT SHIP	9066	11.11	100723	1.589	57	0.629
MET	RIC UNITS		CC	DNSTANT	276	13.82	3814	1.616	58	0.619
20				VANO DE CESTA CESTA SE	=4000	1-0.02		1.644	59	0.608
ENG	LISHUNITS	CI	IIP AND CARGO	TOTALS		1	£46000	1.672	60	0.598
		SE	IIP AND CARGO	TOTALS	57103	l	546009	1.700 1.728	61 62	0.588

- (1) COMPLETE THESE COLUMNS IF MORE THAN ONE TYPE OF CARGO IS LOADED.
- (2) FOR PARTLY FILLED COMPARTMENTS, SHOW THE CUBICS USED IN ADDITION TO THE TOTAL CUBICS.
- (3) WEIGHTS AND MOMENTS SHOULD BE SHOWN TO THE NEAREST WHOLE UNIT.

CARGO PLAN: INDICATE HOLDS, TWEEN DECKS, ENGINE SPACES, FITTINGS, STOWAGE, TONNAGES, ETC.



FUEL AND WATER CALCULATION

PART II

THE INTERMEDIATE SECTION MUST BE COMPLETED IF THE ARRIVAL SECTION SHOWS BALLAST THAT IS NOT LISTED IN THE DEPARTURE SECTION. THE INTERMEDIATE CONDITION IS IMMEDIATELY BEFORE BALLASTING AND MUST INCLUDE THE EFFECT OF FREE SURFACE, BUT NOT THE EFFECT OF ADDED WEIGHT. ADDITIONAL FUEL TAKEN AFTER DEPARTURE MUST BE SHOWN IN THE INTERMEDIATE SECTION IN THE SAME MANNER AS BALLAST.

TYPE LIQUID FO	WEIGHT	V.C.G.	MOMENT	F.S.								
	100	11.90		MOM.	WEIGHT	V.C.G.	MOMENT	F.S. MOM.	WEIGHT	V.C.G.	MOMENT	F.S. MOM.
FO		11.00	1180	196	100	11.80	1180	196	50	11.80	590	196
0.00	200	9.90	1980	157	106	9.90	1049	157	106	9.90	1049	157
FO	200	9.91	1982	157	105	9.91	1041	157	107	9.91	1060	157
FO	100	11.79	1179	196	100	11.79	1179	196	50	11.79	590	196
DO	25	15.18	380	8	25	15.18	380	8	25	15.18	380	8
oo	25	15.18	380	8	25	15.18	380	8	25	15.18	380	8
DO	40	13.74	550	123	27	13.74	371	123	74	13.74	1017	123
FW	75	15.36	1152	145	75	15.36	1152	145	75	15.36	1152	145
FW	75	15.34	1151	166	75	15.34	1151	166	75	15.34	1151	166
BW	100	1.51	151	-	100	1.51	151		100	1.51	151	
		1				1		1/				/
F F	00 00 00 00 00 0W	100 100 25 00 25 00 40 W 75 W 75	OO 100 11.79 OO 25 15.18 OO 25 15.18 OO 40 13.74 OW 75 15.36 OW 75 15.34	OO 100 11.79 1179 OO 25 15.18 380 OO 25 15.18 380 OO 40 13.74 550 OW 75 15.36 1152 OW 75 15.34 1151	OO 100 11.79 1179 196 OO 25 15.18 380 8 OO 25 15.18 380 8 OO 40 13.74 550 123 OW 75 15.36 1152 145 OW 75 15.34 1151 166 OW 100 1.51 151 -	OO 100 11.79 1179 196 100 OO 25 15.18 380 8 25 OO 25 15.18 380 8 25 OO 40 13.74 550 123 27 OW 75 15.36 1152 145 75 OW 75 15.34 1151 166 75 OW 100 1.51 151 - 100	OO 100 11.79 1179 196 100 11.79 OO 25 15.18 380 8 25 15.18 OO 25 15.18 380 8 25 15.18 OO 40 13.74 550 123 27 13.74 OW 75 15.36 1152 145 75 15.36 OW 75 15.34 1151 166 75 15.34 OW 100 1.51 151 - 100 1.51	OO 100 11.79 1179 196 100 11.79 1179 OO 25 15.18 380 8 25 15.18 380 OO 25 15.18 380 8 25 15.18 380 OO 40 13.74 550 123 27 13.74 371 OW 75 15.36 1152 145 75 15.36 1152 OW 75 15.34 1151 166 75 15.34 1151 OW 100 1.51 151 - 100 1.51 151	OO 100 11.79 1179 196 100 11.79 1179 196 OO 25 15.18 380 8 25 15.18 380 8 OO 25 15.18 380 8 25 15.18 380 8 OO 40 13.74 550 123 27 13.74 371 123 OW 75 15.36 1152 145 75 15.36 1152 145 OW 75 15.34 1151 166 75 15.34 1151 166 OW 100 1.51 151 - 100 1.51 151 -	OO 100 11.79 1179 196 100 11.79 1179 196 50 OO 25 15.18 380 8 25 15.18 380 8 25 OO 25 15.18 380 8 25 15.18 380 8 25 OO 40 13.74 550 123 27 13.74 371 123 74 OW 75 15.36 1152 145 75 15.36 1152 145 75 OW 75 15.34 1151 166 75 15.34 1151 166 75 OW 100 1.51 151 - 100 1.51 151 - 100	OO 100 11.79 1179 196 100 11.79 1179 196 50 11.79 OO 25 15.18 380 8 25 15.18 380 8 25 15.18 OO 25 15.18 380 8 25 15.18 380 8 25 15.18 OO 40 13.74 550 123 27 13.74 371 123 74 13.74 OW 75 15.36 1152 145 75 15.36 1152 145 75 15.36 W 75 15.34 1151 166 75 15.34 1151 166 75 15.34 W 100 1.51 151 - 100 1.51 151 - 100 1.51	OO 100 11.79 1179 196 100 11.79 1179 196 50 11.79 590 OO 25 15.18 380 8 25 15.18 380 8 25 15.18 380 OO 25 15.18 380 8 25 15.18 380 8 25 15.18 380 OO 40 13.74 550 123 27 13.74 371 123 74 13.74 1017 OW 75 15.36 1152 145 75 15.36 1152 145 75 15.34 1151 OW 100 1.51 151 - 100 1.51 151 - 100 1.51 151

maximums usea j

TOTALS

type of tanks

940 10085 1156 738 1156 687 7520 8034 1156 LIQUIDS 57103 57103 546009 546009 SHIP AND CARGO 546009 57103 57841 DISPLACEMENT 58043 556094 554043 57790 553529

	0				_
SAILING DRAFT11.91	AT DENSITY1	.011			
DEPARTURE KG	9.58	INTERMEDIATE KG	9.58	ARRIVAL KG	9.58
(1) FREE SURFACE CORR. (+)	0.02	(1) FREE SURFACE CORR. (+)	0.02	(1) FREE SURFACE CORR. (+)	0.02
(2) VERT. S.M. CORR. (+)	_	(2) VERT. S.M. CORR. (+)	-	(2) VERT. S.M. CORR. (+)	-
DEPARTURE KG _V	9.60	INTERMEDIATE KG _V	9.60	ARRIVAL KGv	9.60
DEPARTURE KM	13.35	INTERMEDIATE KM	13.35	ARRIVAL KM	13.36
DEPARTURE KGV	9.60	INTERMEDIATE KGV	9.60	ARRIVAL KG _V	9.60
DEPARTURE GM	3.75	INTERMEDIATE GM	3.75	ARRIVAL GM	3.76
REQUIRED MINIMUM GM	0.30	REQUIRED MINIMUM GM	0.30	REQUIRED MINIMUM GM	0.30

(1) FREE SURFACE CORR. = SUM OF FREE SURFACE MOMENTS
DISPLACEMENT

(2) VERT. S.M. CORR. = <u>SUM OF VERTICAL SHIFTING MOMENTS</u>
DISPLACEMENT

(THIS CORRECTION MUST BE APPLIED TO ALL SHIPS.)

(THIS CORRECTION APPLIES WHEN THE VOLUMETRIC HEELING MOMENT CURVES OR TABLES DO NOT SPECIFICALLY STATE THAT THE CORRECTION FOR THE RISE IN VERTICAL CENTER OF GRAVITY HAS BEEN INCLUDED, AND THE MANUAL PROVIDES VERTICAL SHIFTING MOMENTS.)



HEELING MOMENT CALCULATION

COMPT.	STOWAGE (1)	GRAIN ULLAGE OR DEPTH	VOLUMETRIC HEELING MOMENT	S.F. CA	GRAIN HEELING MOMENT	(IF PRO	FTING MOMENT OVIDED) 2 IN PART II
		M/JT	M4/5/	(2)	MT-M /FT-LT-	M ⁴ / FT ⁴	MT- M / FT- LT
1	PF	8.46	13771	1.198	(12295.2 x 1.12)		
2	F-UT	0	3730				
3	F-UT	0	3880				
4	F-UT	0	3799				
5	F-UT	0	3840				
6	PF	4.15	9598_	V	(8569.9 x 1.12)		
			K				
				1.198			
		TOTALS	38618		32235		

(1) UNDER STOWAGE INDICATE "F-T" FOR FILLED COMPARTMENTS TRIMMED, "F-UT" FOR FILLED COMPARTMENTS UNTRIMMED, "PF" FOR PARTLY FILLED COMPARTMENTS, AND "SEC" FOR SECURED OR OVER-STOWED COMPARTMENTS.

(2) THE STOWAGE FACTOR USED IN PART III SHALL NOT EXCEED THE ONE BASED ON THE WEIGHT PER UNIT OF VOLUME (TEST WEIGHT) OF THE GRAIN. IF THE STOWAGE FACTOR IS THE SAME IN ALL COMPARTMENTS, DIVIDE THE TOTAL VOLUMETRIC HEELING MOMENT BY THE STOWAGE FACTOR OR MULTIPLY BY THE DENSITY TO OBTAIN THE GRAIN HEELING MOMENT. IF THE STOWAGE FACTOR VARIES, OBTAIN THE GRAIN HEELING MOMENT FOR EACH COMPARTMENT.

INTERNATIONAL GRAIN CODE, Part A, 7.1 REGULATION 4, CHAPTER VI, SOLAS 1974 or

REGULATION 4, CHAPTER VI, SOLAS 1974 01
REGULATION 4, IMCO RESOLUTION A.264(VIII), NEW CHAPTER VI, SOLAS 1960

REGULATION 4, IMCO RESOLUTION A.184 AN EQUIVALENT TO CHAPTER VI, SOLAS 1960

STABILITY SUMMARY

		DEPARTURE	INTERMEDIATE	ARRIVAL		
DISPLACEMENT		58043	57841	57790		
KGv_ or OM		9.60	9.60	9.60		
TOTAL GRAIN HEELING MOMENT		32235	32235	32235		
MAXIMUM ALLOWABI	LE HEELING MOMENT	50846	50672	50628		
* ANGLE OF HEEL (1	2° MAX.)					
* RESIDUAL AREA	0.075 METER-RADIANS (14.1 FT° OR 4.3 M°) MINIMUM					
* GM (0.3M OR 1 FT	MINIMUM)					
* TO BE COMPLETED II	E VEGGEL'S COAIN LOADING DA	DOKLET DOES NOT INCLUDE	A TABLE OF ALLOWARD E HE	LINC MOMENTS IN SUCH		

* TO BE COMPLETED IF VESSEL'S GRAIN LOADING BOOKLET DOES NOT INCLUDE A TABLE OF ALLOWABLE HEELING MOMENTS. IN SUCH CASE, STATICAL STABILITY DIAGRAMS DEMONSTRATING THIS INFORMATION SHALL BE ATTACHED HERETO.

B. FOR SPECIALLY SUITABLE SHIPS APPROVED UNDER

A. FOR VESSELS APPROVED UNDER

INTERNATIONAL GRAIN CODE, PART A, 8, 2 SECTION V (B), PART B, CHAPTER VI, SOLAS 1974

SECTION V (B) , PART B, IMCO RESOLUTION A.264 (VIII), NEW CHAPTER VI, SOLAS 1960

REGULATION 12, CHAPTER VI, SOLAS 1960

ANGLE OF HEEL = GRAIN HEELING MOMENT x 57.3 DISPLACEMENT X GM

	DEPARTURE	INTERMEDIATE	ARRIVAL
TOTAL GRAIN HEELING MOMENT			
DISPLACEMENT			
GM			
ANGLE OF HEEL (5° MAX.)			



PART III

NCB and Federal Agency Relationship

- 7CFR 1499.6: Food for Progress Programs *Certificate of Readiness and Certificate of Loading*
- 7CFR 1599.6: International Food for Education and Child Nutrition Program - Certificate of Readiness and Certificate of Loading
- 19CFR 115.6: Certification for Containers
- 46CFR 31.10-16: Inspection and Certification of Cargo Gear
- 46CFR 148.12: Carriage of Solid Hazardous Materials in Bulk Assignment and Certification
- 46CFR 172.015: Document of Authorization
- 46CFR 172.040: Grain Certificate of Loading
- 49CFR 176.18: Hazardous Materials Assignment and Certification



Additional Services Provided

- Cargo Securing, Loading, and Stowage
- Volume and Weight Calculations
- Vessel Safety Inspections
- Marine Insurance and Loss Control
- National Cargo Bureau Training
- Other Cargo Related Services, for example...

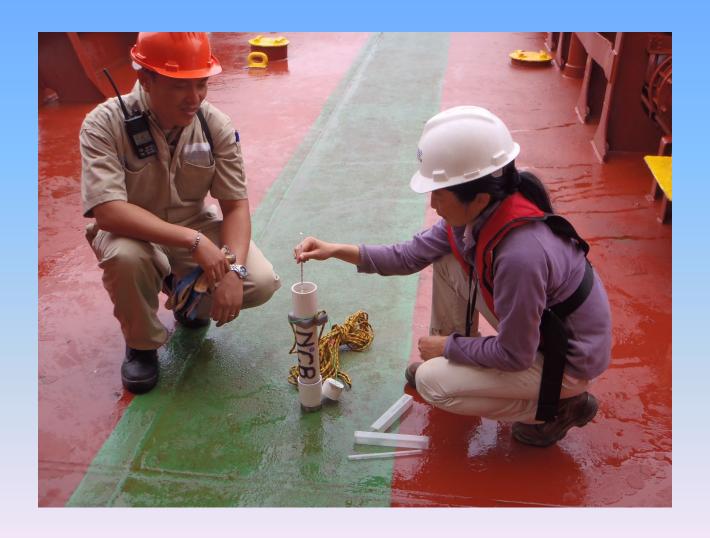


Vessels Loading Bulk Cargo IMSBC Code compliance, Draft Surveys, Hold Cleanliness inspections.





Draft Survey





Potential Consequences of poor stowage/stability





Securing of Cargo – Flat Racks









Securing of Cargo – Flat Racks

Many carriers require a NCB inspection of out of gauge cargo loaded on flat racks before the unit is accepted for loading.



Elephant in Union Square



Elephant on a flat rack



Loading / Discharging, Securing of Cargo – Break Bulk and Project Cargo











Flag State Safety Inspections, Vessel Pre-purchase and condition surveys









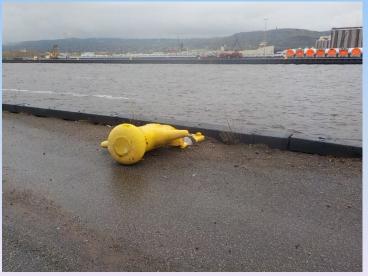


Damaged cargo, vessel and facility Surveys





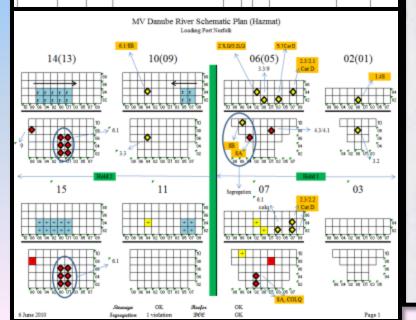






DCM and Stow Plan Reviews

			Dange	rous Cargo I	Mar	nif	est			
Vessel	MV Danabe River		ver Voyage 429			42E11 Prepared by			7	
Flag Official Nr.		Hamburg 9193317		Port of Loading Port of Discharge	USORF FRLHV		Master Date		6/5/2010	
Container No.	Packaging Weight	UN	Proper	Shipping Name	Class PG FP		FP	Additional Information		Stowage
EXFU 233456-0	1 Tonk 24000 KG	UN1993	Flammable Liqu	id NOS (Isopropolyne)	3	III	10C	Emerg # 800	-727-2300	09-00-10
TTNU 987123-9	80 Deums 17880 KG	UN2992		esticide Liquid Toxic tofuran 86%)	6.1	II	-	Marine I Emerg # 800		10-02-10
GEDU 665588-9	5 Cys 250 KG	UN1008	Boron Triflouride		2.3(8)	I		Emerg # 800	-727-2300	10-00-82
BLKU 543789-0	1 Tank 24000 KO	UN3064	Alcoholic B	everages (bourbon)	3	Ш	24C	Emerg # 800	-727-2300	09-01-10
NCBU 323354-6	5 Coms 250000	UN3066		Paint	3	п	14C	Emerg # 800 LTD		02-02-82
	15 Drums 150 KG	UN1824	Sodium F	ydroxide Solution	6.1	II	-	Emerg # 800	-727-2300	
	29 Boxes 145 Kill	UN1789	Hydr	ochloric Acid	8	Ш	27C	Emerg # 800	-727-2300	





Eingegangen

2 1. März 2003

2830 Ladungsservice

BESCHEINIGUNG¹

Bundesrepublik Deutschland Federal Republic of Germany

BESONDERE VORSCHRIFTEN FÜR SCHIFFE, DIE GEFÄHRLICHE GÜTER BEFÖRDERN

Document of Compliance¹ Special Requirements for Ships Carrying Dangerous Goods

Ausgestellt im Namen der Regierung der
BUNDESREPUBLIK DEUTSCHLAND durch die SEE-BERUFSGENOSSENSCHAFT
nach des Vorschriften der Regel II-279.4
des INTERNATIONALEN ÜBEREINKOMMENS VON 1974
ZUM SCHUTZ DES MENSCHLICHEN LEBENS AUF SEE in seiner jeweils gültigen Fassung

Issued under the authority of the Government of the FEDERAL REPUBLIC OF GERMANY by SEE-BERUFSGENOSSENSCHAFT in pursuance of the requirements of regulation II-218-4 of the DITERRATIONAL CONFERTION FOR SAFETY OF LIFE AT SEA, 1974, as amended

Name des Schiffes BERLIN EXPRESS
Name of ship

Unterscheidungssignal D G H X
Distinctive number or letters

Heimathafen Hamburg
Port of registry

Schiffstyp Frachtschiff/Cargo Ship
Ship type

IMO-Number 9229855

Damm, an dem der Kiel gelegt wurde oder das Schiff sich in einem entsprechenden Baumutand befand 27.06.200. Date on which keel was laid or ship was at a similar stoge of agraphication

Datum, an dem ein Umbau oder eine Änderung oder eine Veränderung grüßerer Art begionnen wurde — Date an which work for a amoretation ar an obseration or modification of a major character was commenced

- Diese Bescheinigung entspricht dem Rundschreiben MSC/Circ. 1027 der Internationalen Seeschiffahrtsorganisation
- This document of compliance is in accordance with MSC/Circ. 1027 of the International Maritime Organization (IMO)

Yardrack Gelülelicke Gölle Form Optionische Güber



Potential Consequences of improper stowage and segregation of hazardous





Container Inspection Statistics

 Each year NCB inspects over 20,000 Hazmat Containers

 NCB annual container inspections are combined with the USCG inspections for annual reporting to IMO/CCC

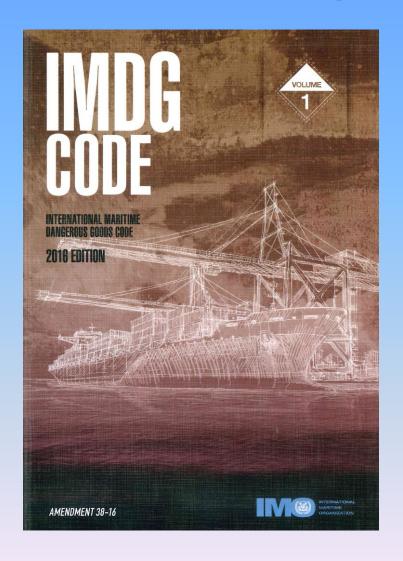


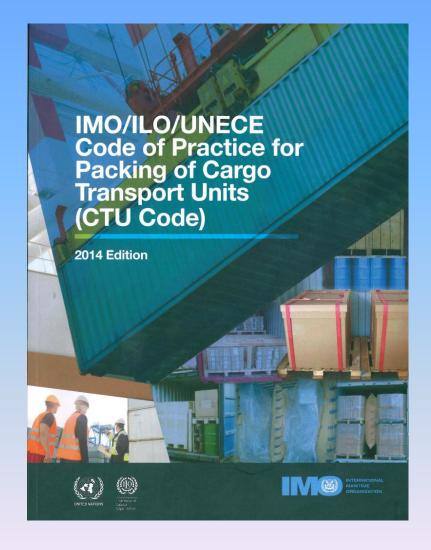
Container Inspection Weight Distribution





Regulations

























No Cargo Securing

Cargo Securing is inadequate at the rear of the load plus there is cargo adrift between the load and the doors







Cargo Securing is inadequate.

Cylinders have fallen over or are adrift.

Load bars – not approved for use with DG cargo







Cargo Securing is inadequate. Cargo has tilted or fallen over on its side.







No Cargo Securing at the rear of the load.

Flexible Restraint system loose







No Cargo Securing at the rear of the load.







Improperly applied flexible restraint system.

No Cargo Securing at the rear of the load.







Failed Securing at the rear of the load.



Container Inspection Cargo Segregation



Class 2.1 and 5.1 are not permitted in the same container per General Segregation.



Container Inspection -

Placarding and Marking





























CONTAINER INSPECTION SAFETY INITIATIVE





Initiative Background



 On March 6, 2018 a explosion caused a fire onboard the 15,226 TEU MAERSK HONAM.

- In the aftermath, Maersk contacted NCB to inspect 100 inbound containers.
- To collect more meaningful data, NCB offered 500 container inspections to the 5 board members of CINS
- To promote our not-for-profit mission of Safety of Life and Cargo at Sea, NCB offered these 500 inspections free of charge.



JOC article, July 16, 2018.

Deadly container ship fires finally spurring carrier action

"Another outgrowth of the Honam disaster was the creation of a <u>Container Inspection Safety Initiative</u> by the New York-based National Cargo Bureau. It will provide <u>free inspection</u> of inbound containers to the United States from locations where inspections aren't performed. It will allow for the collection of data that will be used to analyze <u>in order to promote safety</u>.









... Safety of Life

and Cargo at Sea...

National Cargo Bureau, Inc.

180 Maiden Lane New York, NY 10038

www.natcargo.org

