## NATIONAL CARGO BUREAU, INC.

## ADDENDUM #2 TO GRAIN STABILITY CALCULATION FORM

TO BE COMPLETED WHEN A VESSEL, CARRYING GRAIN IN BULK AND ENGAGED ON A VOYAGE ON THE INLAND OR COASTAL WATERS OF THE UNITED STATES, **ELECTS** AND IS **ENTITLED** TO UTILIZE THE PROVISIONS OF 46 CFR 172.030.

M.V./ S.S					_ PORT				
COLUMN #	1	2	3	4	5	6	7	8	9
SLACK	L	L	COLUMN # 2	COLUMN # 1	В	B <sup>3</sup>	COLUMN # 4 x	S.F.	COLUMN # 7
HOLD	(WITHOUT	(WITH C.L.)	DIVIDED BY	PLUS			COLUMN # 6 x		DIVIDED BY
#	C.L.)		4	COLUMN # 3			0.0661		COLUMN # 8
							01114.05.4		
							SUM OF COLUMN 9		
		KEY		1 11 5	INAENICIA		NOTES	METDI	C TONIC (MIT)
L		ENGTH OF HOL					BE IN METERS (M) ATIVELY, IN FEET(		
В		READTH OF GF		AND F		.,		, ,	
C.L.		ENTERLINE DIV		2. WHER	E A C.L.	DIVISION	I HALVES THE BREA	ADTH, CO	DLUMNS # 2
S.F.	= S	TOWAGE FACT	OR				ALCULATION FOR 1		
				DEPARTURE	EDOM:				
				DEPARTURE	FROIVI:				
DISPLACEMENT =			r = <u>FR</u>	r = <u>FREEBOARD</u>			REQUIRED GM _ SUM x F		
DISTERGEMENT -				BEAM			DISPLAC	EMENT	
GM	=		r =	=					
							=		
MEAN DRAFT =						REQUIRED GM =			
				88 DIVIDED BY		TIL QUITLE OW -			
FREEBOARD =			OTHERW	ISE F=1		AVAILABLE GM =			
BEAM	=		F =						
				ARRIVAL	AT:				
DISPLACEMENT =			r = <u>FR</u>	REEBOARD BEAM		REQUIRED GM =			
CM	_							DISPLAC	EMENI
GIVI			_   ' =	<b>=</b>					
							=		
MEAN DDAFT	_		IE × 401	DES THEN		ĺ			
IVIEAN DKAFT	=		IF r < 0.268 THEN F = 0.268 DIVIDED BY r				REQUIRED GM =		
FREEBOARD =									
FREEROARD	=		OTHERW	ISE F = 1			AVAILABLE GM =		
BEAM	=		F =						

**MASTER** 

EXAMINED: \_\_\_

N.C.B. SURVEYOR