United States of America
Department of Homeland Security
United States Coast Guard

Certification Date:	06 Jul 2023
Expiration Date:	06 Jul 2028

Certificate of Inspection

For ships on international voyages this certificate fulfills the requirements of SOLAS 74 as amended, regulation V/14, for a SAFE MANNING DOCUMENT.

Vessel Name	Official Number	IMO Number	Call Sign	Service
KIRBY 28027	1139039			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
WILMINGTON, DE UNITED STATES	Steel		

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
Galveston, TX UNITED STATES	16Jun2003	20Feb2003	R-1619 I-	R-1619 I-		R-297.6 I-0

Owner
KIRBY INLAND MARINE LP
55 WAUGH DR STE 1000
HOUSTON, TX 77007
UNITED STATES

Operator
KIRBY INLAND MARINE, LP
18350 MARKET ST.
CHANNELVIEW, TX 77530
UNITED STATES

This vessel must be manned with the following licensed and unlicensed Personnel. Included in which there must be 0 Certified Lifeboatmen, 0 Certified Tankermen, 0 HSC Type Rating, and 0 GMDSS Operators.

0 Masters	0 Licensed Mates	0 Chief Engineers	0 Oilers
0 Chief Mates	0 First Class Pilots	0 First Assistant Engineers	
0 Second Mates	0 Radio Officers	0 Second Assistant Engineers	
0 Third Mates	0 Able Seamen	0 Third Assistant Engineers	
0 Master First Class Pilot	0 Ordinary Seamen	0 Licensed Engineers	
0 Mate First Class Pilots	0 Deckhands	0 Qualified Member Engineer	

In addition, this vessel may carry 0 Passengers, 0 Other Persons in crew, 0 Persons in addition to crew, and no Others. Total Persons allowed: 0

Route Permitted And Conditions Of Operation:

---Lakes, Bays, and Sounds plus Limited Coastwise---

Also, in fair weather only, not more than twelve (12) miles from shore between St. Marks and Carrabelle, Florida.

This vessel has been granted a fresh water service examination interval per 46 CFR 31.10-21(a)(2). If this vessel is operated in salt water more than 6 months in any 12 month period, the vessel must be inspected using salt water intervals per 46 CFR 31.10-21(a)(1) and the cognizant OCMI notified in writing as soon as this change in status occurs.

This tank barge is participating in the Eighth Coast Guard District's Tank Barge Streamlined Inspection Program

SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION

With this Inspection for Certification having been completed at Port Arthur, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Marine Safety Unit Port Arthur certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws and the rules and regulations prescribed thereunder.

Annual/Periodic/Re-Inspection

Date	Zone	A/P/R	Signature
4/8/24	BTR, LA	A	Daylan LaCoste

This certificate issued by: B. T. INAGAKI, GS-13, USCG, By direction

Officer in Charge, Marine Inspection
Marine Safety Unit Port Arthur

Inspection Zone

(TBSIP). Inspection activities aboard this barge shall be conducted per its Tank Barge Action Plan (TAP). Inspection issues concerning this barge should be directed to OCMI Houston-Galveston.

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Jul2033	06Jul2023	23Apr2013
Internal Structure	31Jul2028	06Jul2023	23Jun2018

--- Liquid/Gas/Solid Cargo Authority/Conditions ---

Authorization: FLAMMABLE/COMBUSTIBLE LIQUIDS AND SPECIFIED HAZARDOUS CARGOES

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
31972	Barrel	A	Yes	No	No

Hazardous Bulk Solids Authority

Not Authorized

Loading Constraints - Structural

Tank Location Description	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1 P/S	749	13.6
2 P/S	747	13.6
3 P/S	749	13.6

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	4276	11ft 0in	13.6	LBS
III	4276	11ft 0in	13.6	LBS
II	4276	11ft 0in	13.6	R
III	4276	11ft 0in	13.6	R

Conditions Of Carriage

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), serial # C2-0305145 dated May 21, 2003,may be carried. The specified hazardous cargoes may be carried only in the tanks indicated.

Per 46 CFR 150.130, the person in charge of the vessel is responsible for ensuring the compatibility requirements of 46 CFR 150 are met. Cargoes must be checked for compatibility using figures, tables, and appendices of 46 CFR 150 in conjunction with the reactive group number from the "Compat Group No" column is listed in the vessel's CAA.

When the vessel is carrying cargoes containing 0.5% or greater benzene by volume, the person in charge is responsible for ensuring the provisions of 46 CFR 197, Subpart C, are applied.

Vapor Control Authorization

Per 46 CFR 39, excluding Part 39.4000, this vessel's vapor control system (VCS) has been inspected to the plans approved by Marine Safety Center letter serial # C2-0305145 dated May 21, 2003, and found acceptable for collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column

Stability and Trim

United States of America
Department of Homeland Security
United States Coast Guard

Certification Date:	06 Jul 2023
Expiration Date:	06 Jul 2028

Certificate of Inspection

Vessel Name: KIRBY 28027

Per 46 CFR 151.10(c)(2), the maximum tank weights listed above reflect uniform (within 5%) loading at the deepest draft allowed. When carrying Subchapter "O" cargoes at shallower drafts, the barge should always be loaded uniformly.

The maximum design density of cargo which may be filled to the tank top is 8.745 lbs/gal. Cargoes with higher densities, up to 13.6 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.

--- Inspection Status ---

Cargo Tanks

	Internal Exam			External Exam		
Tank Id	Previous	Last	Next	Previous	Last	Next
1 P/S	23Apr2013	06Jul2023	31Jul2033	-	-	-
2 P/S	23Apr2013	06Jul2023	31Jul2033	-	-	-
3 P/S	23Apr2013	06Jul2023	31Jul2033	-	-	-

		Hydro Test		
Tank Id	Safety Valves	Previous	Last	Next
1 P/S	-	-	-	-
2 P/S	-	-	-	-
3 P/S	-	-	-	-

---Conditional Portable Fire Extinguisher Requirements---

Required Only During Transfer of Cargo or Operation of Barge Machinery

--- Fire Fighting Equipment ---

Fire Extinguishers - Hand portable and semi-portable

Quantity	Class Type
2	40-B

END

Department of Homeland Security
United States Coast Guard

Serial #: C2-0305145
Generated: 21-May-03

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **KIRBY 28027**
Official #: 1139039

Shipyard: West Gulf Marine
Hull #: 134

46 CFR 151 Tank Group Characteristics

Tank Group Information		Cargo Identification			Hull Typ	Cargo Seg Tank	Tanks			Cargo Transfer		Environmental Control		Fire Protection Provided	Special Requirements		Elec Haz	Temp Cont
Tnk Grp	Tanks in Group	Density	Press.	Temp.			Type	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space		General	Materials of Construction		
A	all	13.6	Atmos.	Amb.	II	1ii 2ii	Integral Gravity	PV	Closed	II	G-1	NR	NA	Portable	.50-5, .50-60, .50-70(a), .50-70(b), .50-73, .50-81(a), .50-81(b),	55-1(b), (c), (e), (f), (h), 56-1(a), (b), (c), (d), (e), (f), (g),	NR	No

Notes: 1. Under Environmental Control, Tanks, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo tanks.

2. Under Environmental Control, Handling Space, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo handling space. NA means that the vessel does not have a cargo control space, and this requirement is not applied.

3. Under Electrical Hazard Class, NA means that the tank group is suitable only for those cargoes which have no electrical hazard class requirement. NR means that the vessel has no electrical equipment located in a hazardous location.

List of Authorized Cargoes

Cargo Identification						Conditions of Carriage			
							Vapor Recovery		
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
Authorized Subchapter O Cargoes									
Acetonitrile	ATN	37	O	C	III	A	Yes	3	No
Acrylonitrile	ACN	15 [2]	O	C	II	A	Yes	4	.50-70(a), .55-1(e)
Adiponitrile	ADN	37	O	E	II	A	Yes	1	No
Alkyl(C7-C9) nitrates	AKN	34 [2]	O	NA	III	A	No	N/A	.50-81, .50-86
Aminoethylethanolamine	AEE	8	O	E	III	A	Yes	1	.55-1(b)
Ammonium bisulfite solution (70% or less)	ABX	43 [2]	O	NA	III	A	No	N/A	.50-73, .56-1(a), (b), (c)
Ammonium hydroxide (28% or less NH3)	AMH	6	O	NA	III	A	No	N/A	.56-1(a), (b), (c), (f), (g)
Anthracene oil (Coal tar fraction)	AHO	33	O	NA	II	A	No	N/A	No
Benzene	BNZ	32	O	C	III	A	Yes	1	.50-60
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	BHB	32 [2]	O	NA	III	A	Yes	1	.50-60
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	BHA	32 [2]	O	NA	III	A	Yes	1	.50-60, .56-1(b), (d), (f), (g)
Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX	32	O	B/C	III	A	Yes	1	.50-60
Butyl acrylate (all isomers)	BAR	14	O	D	III	A	Yes	2	.50-70(a), .50-81(a), (b)
Butyl methacrylate	BMH	14	O	D	III	A	Yes	2	.50-70(a), .50-81(a), (b)
Butyraldehyde (all isomers)	BAE	19	O	C	III	A	Yes	1	.55-1(h)
Camphor oil (light)	CPO	18	O	D	II	A	No	N/A	No
Carbon tetrachloride	CBT	36	O	NA	III	A	No	N/A	No
Chemical Oil (refined, containing phenolics)	COD	21	O	E	II	A	No	N/A	.50-73
Chlorobenzene	CRB	36	O	D	III	A	Yes	1	No
Chloroform	CRF	36	O	E	III	A	Yes	3	No
Coal tar naphtha solvent	NCT	33	O	D	III	A	Yes	1	.50-73
Creosote	CCW	21 [2]	O	E	III	A	Yes	1	No
Cresols (all isomers)	CRS	21	O	E	III	A	Yes	1	No
Cresylate spent caustic	CSC	5	O	NA	III	A	No	N/A	.50-73, .55-1(b)
Cresylic acid tar	CRX		O		III	A	Yes	1	.55-1(f)
Crotonaldehyde	CTA	19 [2]	O	C	II	A	Yes	4	.55-1(h)
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG		O		III	A	No	N/A	No
Cyclohexanone	CCH	18	O	D	III	A	Yes	1	.56-1(a), (b)
Cyclohexanone, Cyclohexanol mixture	CYX	18 [2]	O	E	III	A	Yes	1	.56-1 (b)
Cyclohexylamine	CHA	7	O	D	III	A	Yes	1	.56-1(a), (b), (c), (g)
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	O	D	III	A	Yes	1	.50-60, .56-1(b)
Iso-Decyl acrylate	IAI	14	O	E	III	A	Yes	2	.50-70(a), .50-81(a), (b), .55-1(c)

*** *This document is only valid when attached to, and referenced by a current, valid Certificate of Inspection.* ***

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **KIRBY 28027**
Official #: 1139039

Shipyard: West Gulf Marine
Hull #: 134

Cargo Identification						Conditions of Carriage			
							Vapor Recovery		
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
Dichlorobenzene (all isomers)	DBX	36	O	E	III	A	Yes	3	.56-1(a), (b)
1,1-Dichloroethane	DCH	36	O	C	III	A	Yes	1	No
2,2'-Dichloroethyl ether	DEE	41	O	D	II	A	Yes	1	.55-1(f)
Dichloromethane	DCM	36	O	NA	III	A	No	N/A	No
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	O	NA	III	A	No	N/A	.56-1(a), (b), (c), (g)
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 [1,2]	O	NA	III	A	No	N/A	.56-1(a), (b), (c), (g)
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution (70% or less)	DDA		O		III	A	No	N/A	.55-1(b)
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 [2]	O	NA	III	A	No	N/A	.56-1(a), (b), (c), (g)
1,1-Dichloropropane	DPB	36	O	C	III	A	Yes	3	No
1,2-Dichloropropane	DPP	36	O	C	III	A	Yes	3	No
1,3-Dichloropropane	DPC	36	O	C	III	A	Yes	3	No
1,3-Dichloropropene	DPU	15	O	D	II	A	Yes	4	No
Dichloropropene, Dichloropropane mixtures	DMX	15	O	NA	II	A	Yes	1	No
Diethanolamine	DEA	8	O	E	III	A	Yes	1	.55-1(c)
Diethylamine	DEN	7	O	C	III	A	Yes	3	.55-1(c)
Diethylenetriamine	DET	7 [2]	O	E	III	A	Yes	1	.55-1(c)
Diisobutylamine	DBU	7	O	D	III	A	Yes	3	.55-1(c)
Diisopropanolamine	DIP	8	O	E	III	A	Yes	1	.55-1(c)
Diisopropylamine	DIA	7	O	C	II	A	Yes	3	.55-1(c)
N,N-Dimethylacetamide	DAC	10	O	E	III	A	Yes	3	.56-1(b)
Dimethylethanolamine	DMB	8	O	D	III	A	Yes	1	.56-1(b), (c)
Dimethylformamide	DMF	10	O	D	III	A	Yes	1	.55-1(e)
Di-n-propylamine	DNA	7	O	C	II	A	Yes	3	.55-1(c)
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	O	E	III	A	No	N/A	.56-1(b)
Ethanolamine	MEA	8	O	E	III	A	Yes	1	.55-1(c)
Ethyl acrylate	EAC	14	O	C	III	A	Yes	2	.50-70(a), .50-81(a), (b)
Ethylamine solution (72% or less)	EAN	7	O	A	II	A	No	N/A	.55-1(b)
N-Ethylbutylamine	EBA	7	O	D	III	A	Yes	3	.55-1(b)
N-Ethylcyclohexylamine	ECC	7	O	D	III	A	Yes	1	.55-1(b)
Ethylene cyanohydrin	ETC	20	O	E	III	A	Yes	1	No
Ethylenediamine	EDA	7 [2]	O	D	III	A	Yes	1	.55-1(c)
Ethylene dichloride	EDC	36 [2]	O	C	III	A	Yes	1	No
Ethylene glycol hexyl ether	EGH	40	O	E	III	A	No	N/A	No
Ethylene glycol monoalkyl ethers	EGC	40	O	D/E	III	A	Yes	1	No
Ethylene glycol propyl ether	EGP	40	O	E	III	A	Yes	1	No
2-Ethylhexyl acrylate	EAI	14	O	E	III	A	Yes	2	.50-70(a), .50-81(a), (b)
Ethyl methacrylate	ETM	14	O	D/E	III	A	Yes	2	.50-70(a)
2-Ethyl-3-propylacrolein	EPA	19 [2]	O	E	III	A	Yes	1	No
Formaldehyde solution (37% to 50%)	FMS	19 [2]	O	D/E	III	A	Yes	1	.55-1(h)
Furfural	FFA	19	O	E	III	A	Yes	1	.55-1(h)
Glutaraldehyde solution (50% or less)	GTA	19	O	NA	III	A	No	N/A	No
Hexamethylenediamine solution	HMC	7	O	E	III	A	Yes	1	.55-1(c)
Hexamethyleneimine	HMI	7	O	C	II	A	Yes	1	.56-1(b), (c)
Hydrocarbon 5-9	HFN		O		III	A	Yes	1	.50-70(a), .50-81(a), (b)
Isoprene	IPR	30	O	A	III	A	No	N/A	.50-70(a), .50-81(a), (b)
Isoprene, Pentadiene mixture	IPN		O		III	A	No	N/A	.50-70(a), .55-1(c)

Department of Homeland Security
United States Coast Guard

Serial #: C2-0305145
Generated: 21-May-03

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **KIRBY 28027**
Official #: 1139039

Shipyard: West Gulf Marine
Hull #: 134

Cargo Identification						Conditions of Carriage			
							Vapor Recovery		
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
Kraft pulping liquors (free alkali content 3% or more)(including: Black, Green, or White liquor)	KPL	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c), (g)
Mesityl oxide	MSO	18 [2]	O	D	III	A	Yes	1	No
Methyl acrylate	MAM	14	O	C	III	A	Yes	2	.50-70(a), .50-81(a), (b)
Methylcyclopentadiene dimer	MCK	30	O	C	III	A	Yes	1	No
Methyl diethanolamine	MDE	8	O	E	III	A	Yes	1	.56-1(b), (c)
2-Methyl-5-ethylpyridine	MEP	9	O	E	III	A	Yes	1	.55-1(e)
Methyl methacrylate	MMM	14	O	C	III	A	Yes	2	.50-70(a), .50-81(a), (b)
2-Methylpyridine	MPR	9	O	D	III	A	Yes	3	.55-1(c)
alpha-Methylstyrene	MSR	30	O	D	III	A	Yes	2	.50-70(a), .50-81(a), (b)
Morpholine	MPL	7 [2]	O	D	III	A	Yes	1	.55-1(c)
1- or 2-Nitropropane	NPM	42	O	D	III	A	Yes	1	.50-81
1,3-Pentadiene	PDE	30	O	A	III	A	No	N/A	.50-70(a), .50-81
Perchloroethylene	PER	36	O	NA	III	A	No	N/A	No
Polyethylene polyamines	PEB	7 [2]	O	E	III	A	Yes	1	.55-1(e)
iso-Propanolamine	MPA	8	O	E	III	A	Yes	1	.55-1(c)
Propanolamine (iso-, n-)	PAX	8	O	E	III	A	Yes	1	.56-1(b), (c)
iso-Propylamine	IPP	7	O	A	II	A	No	N/A	.55-1(c)
Pyridine	PRD	9	O	C	III	A	Yes	1	.55-1(e)
Sodium aluminate solution (45% or less)	SAU	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (b), (c)
Sodium chlorate solution (50% or less)	SDD	0 [1,2]	O	NA	III	A	No	N/A	.50-73
Sodium hypochlorite solution (20% or less)	SHQ	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (b)
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 [1,2]	O	NA	III	A	Yes	1	.50-73, .55-1(b)
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0 [1,2]	O	NA	III	A	No	N/A	.50-73, .55-1(b)
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 [1,2]	O	NA	II	A	No	N/A	.50-73, .55-1(b)
Styrene (crude)	STX		O	D	III	A	Yes	2	No
Styrene monomer	STY	30	O	D	III	A	Yes	2	.50-70(a), .50-81(a), (b)
1,1,2,2-Tetrachloroethane	TEC	36	O	NA	III	A	No	N/A	No
Tetraethylenepentamine	TTP	7	O	E	III	A	Yes	1	.55-1(c)
Tetrahydrofuran	THF	41	O	C	III	A	Yes	1	.50-70(b)
Toluenediamine	TDA	9	O	E	II	A	No	N/A	.50-73, .56-1(a), (b), (c), (g)
o-Toluidine	TLI	9	O	E	II	A	Yes	3	.50-5, .50-73
1,2,4-Trichlorobenzene	TCB	36	O	E	III	A	Yes	1	No
1,1,2-Trichloroethane	TCM	36	O	NA	III	A	Yes	1	.50-73, .56-1(a)
Trichloroethylene	TCL	36 [2]	O	NA	III	A	Yes	1	No
1,2,3-Trichloropropane	TCN	36	O	E	II	A	Yes	3	.50-73, .56-1(a)
Triethanolamine	TEA	8 [2]	O	E	III	A	Yes	1	.55-1(b)
Triethylamine	TEN	7	O	C	II	A	Yes	3	.55-1(e)
Triethylenetetramine	TET	7 [2]	O	E	III	A	Yes	1	.55-1(b)
Triphenylborane (10% or less), caustic soda solution	TPB	5	O	NA	III	A	No	N/A	.56-1(a), (b), (c)
Trisodium phosphate solution	TSP	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c).
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	O	NA	III	A	No	N/A	.56-1(b)
Vanillin black liquor (free alkali content, 3% or more).	VBL	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c), (g)
Vinyl acetate	VAM	13	O	C	III	A	Yes	2	.50-70(a), .50-81(a), (b)
Vinyl neodecanate	VND	13	O	E	III	A	No	N/A	.50-70(a), .50-81(a), (b)
Vinyltoluene	VNT	13	O	D	III	A	Yes	2	.50-70(a), .50-81, .56-1(a), (b), (c), (g)

Department of Homeland Security
United States Coast Guard

Serial #: C2-0305145
Generated: 21-May-03

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **KIRBY 28027**
Official #: 1139039

Shipyard: West Gulf Marine
Hull #: 134

Cargo Identification						Conditions of Carriage			
							Vapor Recovery		
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
Subchapter D Cargoes Authorized for Vapor Control									
Acetone	ACT	18 [2]	D	C		A	Yes	1	
Acetophenone	ACP	18	D	E		A	Yes	1	
Alcohol(C12-C16) poly(1-6)ethoxylates	APU	20	D	E		A	Yes	1	
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	AEB	20	D	E		A	Yes	1	
Amyl acetate (all isomers)	AEC	34	D	D		A	Yes	1	
Amyl alcohol (iso-, n-, sec-, primary)	AAI	20	D	D		A	Yes	1	
Benzyl alcohol	BAL	21	D	E		A	Yes	1	
Brake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) glycols, Polyalkylene(C2-C10) glycol monoalkyl(C1-C4) ethers, and their borate esters)	BFX	20	D	E		A	Yes	1	
Butyl acetate (all isomers)	BAX	34	D	D		A	Yes	1	
Butyl alcohol (iso-)	IAL	20 [2]	D	D		A	Yes	1	
Butyl alcohol (n-)	BAN		D	D		A	Yes	1	
Butyl alcohol (sec-)	BAS		D	C		A	Yes	1	
Butyl alcohol (tert-)	BAT		D	C		A	Yes	1	
Butyl benzyl phthalate	BPH	34	D	E		A	Yes	1	
Butyl toluene	BUE	32	D	D		A	Yes	1	
Caprolactam solutions	CLS	22	D	E		A	Yes	1	
Cyclohexane	CHX	31	D	C		A	Yes	1	
Cyclohexanol	CHN	20	D	E		A	Yes	1	
1,3-Cyclopentadiene dimer (molten)	CPD	30	D	D/E		A	Yes	2	
p-Cymene	CMP	32	D	D		A	Yes	1	
iso-Decaldehyde	IDA	19	D	E		A	Yes	1	
n-Decaldehyde	DAL	19	D	E		A	Yes	1	
Decene	DCE	30	D	D		A	Yes	1	
Decyl alcohol (all isomers)	DAX	20 [2]	D	E		A	Yes	1	
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D	E		A	Yes	1	
Diacetone alcohol	DAA	20 [2]	D	E		A	Yes	1	
ortho-Dibutyl phthalate	DPA	34	D	E		A	Yes	1	
Diethylbenzene	DEB	32	D	D		A	Yes	1	
Diethylene glycol	DEG	40 [2]	D	E		A	Yes	1	
Diisobutylene	DBL	30	D	C		A	Yes	1	
Diisobutyl ketone	DIK	18	D	D		A	Yes	1	
Diisopropylbenzene (all isomers)	DIX	32	D	E		A	Yes	1	
Dimethyl phthalate	DTL	34	D	E		A	Yes	1	
Dioctyl phthalate	DOP	34	D	E		A	Yes	1	
Dipentene	DPN	30	D	D		A	Yes	1	
Diphenyl	DIL	32	D	D/E		A	Yes	1	
Diphenyl, Diphenyl ether mixtures	DDO	33	D	E		A	Yes	1	
Diphenyl ether	DPE	41	D	{E}		A	Yes	1	
Dipropylene glycol	DPG	40	D	E		A	Yes	1	
Distillates: Flashed feed stocks	DFF	33	D	E		A	Yes	1	
Distillates: Straight run	DSR	33	D	E		A	Yes	1	
Dodecene (all isomers)	DOZ	30	D	D		A	Yes	1	
Dodecylbenzene, see Alkyl(C9+)benzenes	DDB	32	D	E		A	Yes	1	
2-Ethoxyethyl acetate	EEA	34	D	D		A	Yes	1	
Ethoxy triglycol (crude)	ETG	40	D	E		A	Yes	1	

Department of Homeland Security
United States Coast Guard

Serial #: C2-0305145
Generated: 21-May-03

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **KIRBY 28027**
Official #: 1139039

Shipyard: West Gulf Marine
Hull #: 134

Cargo Identification						Conditions of Carriage			
							Vapor Recovery		
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
Ethyl acetate	ETA	34	D	C		A	Yes	1	
Ethyl acetoacetate	EAA	34	D	E		A	Yes	1	
Ethyl alcohol	EAL	20 [2]	D	C		A	Yes	1	
Ethylbenzene	ETB	32	D	C		A	Yes	1	
Ethyl butanol	EBT	20	D	D		A	Yes	1	
Ethyl tert-butyl ether	EBE	41	D	C		A	Yes	1	
Ethyl butyrate	EBR	34	D	D		A	Yes	1	
Ethyl cyclohexane	ECY	31	D	D		A	Yes	1	
Ethylene glycol	EGL	20 [2]	D	E		A	Yes	1	
Ethylene glycol butyl ether acetate	EMA	34	D	E		A	Yes	1	
Ethylene glycol diacetate	EGY	34	D	E		A	Yes	1	
Ethylene glycol phenyl ether	EPE	40	D	E		A	Yes	1	
Ethyl-3-ethoxypropionate	EEP	34	D	E		A	Yes	1	
2-Ethylhexanol	EHX	20	D	E		A	Yes	1	
Ethyl propionate	EPR	34	D	C		A	Yes	1	
Ethyl toluene	ETE	32	D	E		A	Yes	1	
Formamide	FAM	10	D	E		A	Yes	1	
Furfuryl alcohol	FAL	20 [2]	D	E		A	Yes	1	
Gasoline blending stocks: Alkylates	GAK	33	D	A/C		A	Yes	1	
Gasoline blending stocks: Reformates	GRF	33	D	A/C		A	Yes	1	
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	D	C		A	Yes	1	
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV	33	D	C		A	Yes	1	
Gasolines: Casinghead (natural)	GCS	33	D	A/C		A	Yes	1	
Gasolines: Polymer	GPL	33	D	A/C		A	Yes	1	
Gasolines: Straight run	GSR	33	D	A/C		A	Yes	1	
Glycerine	GCR	20 [2]	D	E		A	Yes	1	
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	D	C		A	Yes	1	
Heptanoic acid	HEP	4	D	E		A	Yes	1	
Heptanol (all isomers)	HTX	20	D	D/E		A	Yes	1	
Heptene (all isomers)	HPX	30	D	C		A	Yes	2	
Heptyl acetate	HPE	34	D	D		A	Yes	1	
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 [2]	D	B/C		A	Yes	1	
Hexanoic acid	HXO	4	D	E		A	Yes	1	
Hexanol	HXN	20	D	D		A	Yes	1	
Hexene (all isomers)	HEX	30	D	C		A	Yes	2	
Hexylene glycol	HXG	20	D	E		A	Yes	1	
Isophorone	IPH	18 [2]	D	E		A	Yes	1	
Jet fuel: JP-4	JPF	33	D	E		A	Yes	1	
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D		A	Yes	1	
Kerosene	KRS	33	D	D		A	Yes	1	
Methyl acetate	MTT	34	D	D		A	Yes	1	
Methyl alcohol	MAL	20 [2]	D	C		A	Yes	1	
Methylamyl acetate	MAC	34	D	D		A	Yes	1	
Methylamyl alcohol	MAA	20	D	D		A	Yes	1	
Methyl tert-butyl ether	MBE	41 [2]	D	C		A	Yes	1	
Methyl butyl ketone	MBK	18	D	C		A	Yes	1	
Methyl butyrate	MBU	34	D	C		A	Yes	1	
Methyl ethyl ketone	MEK	18 [2]	D	C		A	Yes	1	

Department of Homeland Security
United States Coast Guard

Serial #: C2-0305145
Generated: 21-May-03

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **KIRBY 28027**
Official #: 1139039

Shipyard: West Gulf Marine
Hull #: 134

Cargo Identification						Conditions of Carriage			
							Vapor Recovery		
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
Methyl heptyl ketone	MHK	18	D	D		A	Yes	1	
Methyl isobutyl ketone	MIK	18 [2]	D	C		A	Yes	1	
Methyl naphthalene (molten)	MNA	32	D	E		A	Yes	1	
Mineral spirits	MNS	33	D	D		A	Yes	1	
Myrcene	MRE	30	D	D		A	Yes	1	
Naphtha: Heavy	NAG	33	D	#		A	Yes	1	
Naphtha: Petroleum	PTN	33	D	#		A	Yes	1	
Naphtha: Solvent	NSV	33	D	D		A	Yes	1	
Naphtha: Stoddard solvent	NSS	33	D	D		A	Yes	1	
Naphtha: Varnish makers and painters (75%)	NVM	33	D	C		A	Yes	1	
Nonane (all isomers), see Alkanes (C6-C9)	NAX	31	D	D		A	Yes	1	
Nonene (all isomers)	NON	30	D	D		A	Yes	2	
Nonyl alcohol (all isomers)	NNS	20 [2]	D	E		A	Yes	1	
Nonyl phenol	NNP	21	D	E		A	Yes	1	
Nonyl phenol poly(4+)ethoxylates	NPE	40	D	E		A	Yes	1	
Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D	C		A	Yes	1	
Octanoic acid (all isomers)	OAY	4	D	E		A	Yes	1	
Octanol (all isomers)	OCX	20 [2]	D	E		A	Yes	1	
Octene (all isomers)	OTX	30	D	C		A	Yes	2	
Oil, fuel: No. 2	OTW	33	D	D/E		A	Yes	1	
Oil, fuel: No. 4	OFR	33	D	D/E		A	Yes	1	
Oil, fuel: No. 5	OFV	33	D	D/E		A	Yes	1	
Oil, fuel: No. 6	OSX	33	D	E		A	Yes	1	
Oil, misc: Crude	OIL	33	D	C/D		A	Yes	1	
Oil, misc: Diesel	ODS	33	D	D/E		A	Yes	1	
Oil, misc: Lubricating	OLB	33	D	E		A	Yes	1	
Oil, misc: Turbine	OTB	33	D	E		A	Yes	1	
alpha-Pinene	PIO	30	D	D		A	Yes	1	
beta-Pinene	PIP	30	D	D		A	Yes	1	
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	PAG	40	D	E		A	Yes	1	
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate	PAF	34	D	E		A	Yes	1	
Polybutene	PLB	30	D	E		A	Yes	1	
Polypropylene glycol	PGC	40	D	E		A	Yes	1	
iso-Propyl acetate	IAC	34	D	C		A	Yes	1	
n-Propyl acetate	PAT	34	D	C		A	Yes	1	
iso-Propyl alcohol	IPA	20 [2]	D	C		A	Yes	1	
n-Propyl alcohol	PAL	20 [2]	D	C		A	Yes	1	
Propylbenzene (all isomers)	PBY	32	D	D		A	Yes	1	
iso-Propylcyclohexane	IPX	31	D	D		A	Yes	1	
Propylene glycol	PPG	20 [2]	D	E		A	Yes	1	
Propylene glycol methyl ether acetate	PGN	34	D	D		A	Yes	1	
Propylene tetramer	PTT	30	D	D		A	Yes	1	
Sulfolane	SFL	39	D	E		A	Yes	1	
Tetraethylene glycol	TTG	40	D	E		A	Yes	1	
Tetrahydronaphthalene	THN	32	D	E		A	Yes	1	
Toluene	TOL	32	D	C		A	Yes	1	
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	E		A	Yes	1	
Triethylbenzene	TEB	32	D	E		A	Yes	1	

Department of Homeland Security
United States Coast Guard

Serial #: C2-0305145
Generated: 21-May-03

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **KIRBY 28027**
Official #: 1139039

Shipyard: West Gulf Marine
Hull #: 134

Cargo Identification						Conditions of Carriage			
							Vapor Recovery		
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
Triethylene glycol	TEG	40	D	E		A	Yes	1	
Triethyl phosphate	TPS	34	D	E		A	Yes	1	
Trimethylbenzene (all isomers)	TRE	32	D	{D}		A	Yes	1	
Trixylenyl phosphate	TRP	34	D	E		A	Yes	1	
Undecene	UDC	30	D	D/E		A	Yes	1	
1-Undecyl alcohol	UND	20	D	E		A	Yes	1	
Xylenes (ortho-, meta-, para-)	XLX	32	D	D		A	Yes	1	

Certificate of Inspection

Cargo Authority Attachment

Explanation of terms & symbols used in the Table:

Cargo Identificatio

Name	The proper shipping name as listed in 46 CFR Table 30.25-1, 46 CFR Table 151.05, and 46 CFR Part 153 Table 2.
Chem Code	The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual.
none	Certain mixtures of cargoes may not have a CHRIS Code assigned.
Compatability Group No.	The cargo reactive group number assigned for compatibility determinations in 46 CFR Part 150 Tables I and II. In accordance with 46 CFR 150.130, the Person-in-Charge of the barge is responsible for ensuring that the compatibility requirements of 46 CFR Part 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the assigned reactive group number.
Note 1	Because of the very high reactivity or unusual conditions of carriage or potential compatibility problems, this product is not assigned to a specific group in the Compatibility Chart. For additional compatibility information, contact Commandant (G-MSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone (202) 267-1217.
Note 2	See Appendix I to 46 CFR Part 150 - exceptions to the compatability chart.
Subchapter	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified.
Subchapter D	Those flammable and combustible liquids listed in 46 CFR Table 30.25-1.
Subchapter O	Those hazardous cargoes listed in 46 CFR Table 151.05 and 46 CFR Part 153 Table 2.
Note 3	Those cargoes listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-oceangoing barges.
Grade	The cargo classification assigned to each flammable or combustible liquid. Grades inside of "{ }" indicate a provisional assignment based upon literature sources which were not verified by manufacturers data. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.
	Flammable liquid cargoes, as defined in 46 CFR 30-10.22.
A, B, C	Combustible liquid cargoes, as defined in 46 CFR 30-10.15.
D, E	The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. The Person-in-Charge shall verify the
Note 4	cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.
	Those subchapter O cargoes which are not classified as a flammable or combustible liquid.
NA	No flammability/combustibility grade has been assigned yet,as the necessary flash point/vapor pressure data for such assignments are presently not available.
#	
Hull Type	The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151.10-1.
I	Designed to carry products which require the maximum preventive measures to preclude the uncontrolled release of the cargo. See 46 CFR 151.10-1(b)(1).
II	Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3).
III	Designed to carry products of sufficeint hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4).
NA	Not applicable to barges certificated under Subchapter D.

Conditions of Carriag

Tank Group	The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo.
Vapor Recovery Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.

Conditions of Carriag

Tank Group	The vessel's tank group (as defined under the "46 CFR Tank Group Characteristics" listed on page 1) which is authorized for carriage of the named cargo.
Vapor Recovery Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.
VCS Category:	The specified cargo's provisional classification for vapor control systems.
Category 1	(No additional VCS requirements above those for benzene, gasolines and crude oil) All requirements applying to the handling of oil and hazardous materials in Titles 33 and 46 Code of Federal Regulations (CFR) apply to these cargoes. Those specifically dealing with vapor control systems are in 33 CFR 155.750, 33 CFR 156.120, 33 CFR 156.170, 46 CFR 35.35 and 46 CFR 39. The cargo tank venting system calculations (46 CFR 39.20-11) and the pressure drop calculations (46 CFR 39.30-1(b)) must use appropriate friction factors, vapor densities and vapor growth rates.
Category 2	(Polymerizes) Polymerization and residue build-up of these cargoes can adversely affect the vessel by fouling safety componenets and restricting vapor flow which could lead to cargo tank overpressurization. The vessel's owner must develop a method of ensuring all VCS safety components are functional and polymer build-up is not causing an unsafe condition due to increased pressure in the vapor control piping and cargo tanks. The method shall be acceptable to the local Officer in Charge, Marine Inspection. This is in addition to the requirements of Category 1. Please note that a material not normally considered a monomer can be a problem in detonation arrester.
Category 3	(Highly toxic) VCSs for these toxic cargoes cannot use a spill valve or rupture disk as the primary means to meet the overfill protection requirement of 46 CFR 39.20-9. This requirement is in addition to the requirements of Category 1.
Category 4	(Polymerizes and highly toxic) Must comply with requirements of Categories 1, 2 and 3.
Category 5	(High vapor pressure) VCS pressure drop calculations for cargoes with a vapor pressure greater than 14.7 psia at 115 F must take into account increased vapor-air mixture densities and vapor growth rates as compared to Category 1cargoes. Consult the Marine Safety Center's VCS Guidelines for further information. This requirement is in addition to the requirements of Category 1.
Category 6	(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5.
Category 7	(High vapor pressure and polymerizes) Must comply with requirements of Categories 1, 2 and 5.
none	The cargo has not been evaluated/classified for use in vapor control systems.

U.S. Department of Homeland Security

United States Coast Guard

Commandant
United States Coast Guard

2703 Martin Luther King, Jr. Ave S.E.
STOP 7509
Washington, DC 20593-7509
Staff Symbol: CG-ENG-5
Phone: (202) 372-1418
Fax: (202) 372-8380
Email: Jodi.j.min@uscg.mil

16703/46-39/2014-471
16JUN2014

Mr. Ashraf Degedy
Design Associates, Inc.
1508 Gause Blvd., Suite 203-206
Slidell, LA 70460

Subj: MULTI-BREASTED TANDEM LOADING UNDER VAPOR CONTROL FOR KIRBY CORPORATION BARGES AT RE-CERTIFIED FACILITIES

Ref: (a) USCG Commandant (CG-ENG-5) letter 16703/46-39/2014-364 dated May 15, 2014

Dear Mr. Degedy:

This letter is in response to your email dated June 1, 2014, which requested my approval to allow Kirby Corporation barges to perform multi-breasted dual barge loading under vapor control at 24 facilities. Per reference (a), the barges listed in enclosure (1) are acceptable by the U. S. Coast Guard Marine Safety Center (MSC) for conducting multi-breasted tandem loading operations at a specified maximum transfer rate and certain conditions.

Per our records, the 24 facilities listed below are approved for conducting multi-breasted tandem loading under vapor control:

Approved Facilities	**Location**
Motiva Norco	Norco, LA
Marquis Energy	Caruthersville, MO
Shell Oil (East, Center, and West Docks)	Deer Park, TX
Total	Port Arthur, TX
Phillips 66 (previously Conoco Phillips), (Berths 2BE, 2BW, 3)	Westlake, LA
Sunoco Logistics Facility	Nederland, TX
Texas International Terminals	Galveston, TX
Chevron Beaumont Terminal	Nederland, TX
Valero, St. Charles Refinery	Norco, LA
International Matex Tank Terminals	St. Rose, LA
NuStar	Corpus Christi, TX
GulfMark Energy	Victoria, TX
Marathon Galveston Bay Refinery (previously BP Products North America, Inc.) (Docks 32N, 32S, 33, 34, 37, 38)	Texas City, TX
Motiva	Port Arthur, TX
Calcasieu Refining Company	Lake Charles, LA
Nustar	St. James, LA
Enterprise Products, Morgan's Point Terminal	La Porte, TX
Plains Marketing, L.P.	Corpus Christi, TX

Subj: MULTI-BREASTED TANDEM LOADING UNDER VAPOR CONTROL FOR KIRBY CORPORATION BARGES AT RE-CERTIFIED FACILITIES

GT Logistics, Taylor Barge Dock 1 & 2	Port Arthur, TX
CITGO	Corpus Christi, TX
CITGO	Lake Charles, LA
Crosstex (Mermentau King Dock)	Jennings, LA
Valero (Oil Docks 3, 4, 7, 11)	Corpus Christi, TX
Oiltanking Beaumont (B Dock and South Dock)	Beaumont, TX

The Kirby barges listed in enclosure (1) are hereby approved for conducting multi-breasted tandem loading under vapor control at the 24 facilities listed above, subject to the following 12 conditions:

a. Such loading operations of these barges shall be limited to loading of cargoes listed on each of the two barge's Cargo Authority Attachment (CAA) and simultaneously on the facility's marine VCS certifying letters where the loading operation will be conducted. The maximum cargo transfer rate during tandem loading shall be as specified by the MSC in their dual barge loading approval letter for these barges.

b. Such loading operations in the same evolution shall be limited to no more than two of the barges approved, and shall be in accordance with any additional conditions imposed by the Coast Guard MSC in their multi-breasted tandem loading operation approval letter for these barges.

c. Such operations shall only be conducted at the facilities specified above. The VCSs at the 24 facilities have been recertified by a Coast Guard accepted facility VCS certifying entity for the operation.

d. While conducting multi-breasted tandem loading operations, the vapor header on the inboard barge must be in alignment with the vapor header on the outboard barge. The diameter of the vapor header on the inboard barge must be at least as large as the diameter of the largest vapor header on the outboard barge. The vapor headers must be marked in accordance with the requirements of 46 CFR part 39.2001(h). The vapor header and its flanges must meet all applicable requirements of 46 CFR part 39 for vapor headers and flanges. The vapor connection flange on each vapor crossover header must have a stud permanently attached in accordance with the requirements of 46 CFR part 39.2001(j).

e. The diameter of the vapor crossover hose must be at least as large as the diameter of the largest vapor header on the outboard barge. The length of the vapor crossover hose must not exceed 25 feet between the two barges. The crossover vapor hose must meet the requirements of 46 CFR part 39.2001(i) and be marked in accordance with the requirements of 46 CFR part 39.2001(h).

f. The cargo transfer procedures shall reflect the proper alignment of a facility VCS to the vapor collection system on the inboard and outboard barges. Similarly, the cargo transfer procedures shall include procedures for disconnecting the facility VCS from both barges. These transfer procedures shall also address the proper connection of the facility VCS alarm/shutdown system to the alarm/shutdown systems of the barges being loaded. A copy of this letter shall be attached to the barge transfer procedures.

Subj: MULTI-BREASTED TANDEM LOADING UNDER VAPOR CONTROL FOR KIRBY CORPORATION BARGES AT RE-CERTIFIED FACILITIES

g. Each cargo tank on both barges must be equipped with a liquid overfill protection system that meets the requirements of 46 CFR part 39.2009. Each cargo tank on both barges also must be equipped with either sight glasses with gauge trees or sight glasses and stick gauges, which indicate when the cargo level in each tank is within one meter of the deck.

h. Both barges must be fitted with mated transverse cargo and vapor manifolds, which are in alignment and are at least as large as the vapor line.

i. Each barge must have a licensed tankerman to act as the person in charge (PIC) who is trained and familiar with dual barge loading operations. The barge PICs must maintain constant communication with each other and with the facility PIC throughout the transfer operation via a portable radio which meets the requirements of 33 CFR part 155.785.

j. The principles for controlling arcing during barge-to-barge transfer are similar to those associated with barge-to-shore transfer. Electric currents must be controlled in accordance with Section 11.9 of the OCIMF publication, "International Safety Guide for Oil Tankers and Terminals (ISGOTT) Fifth Edition." Accordingly, either an insulating flange or a single length of non-conducting hose shall be installed between the barges during vapor transfer. If an insulating flange is used, it shall be connected to the vapor header on the inboard barge. This insulating flange or non-conducting hose shall be in addition to the insulating requirements for the barge-to-shore transfer connection.

k. If multi-breasted tandem loading will be conducted using more than one liquid transfer hose from the shore facility, the facility must be capable of activating the emergency shutdown system required by 33 CFR part 154.550. This shall stop the cargo flow to each transfer hose simultaneously in the event an emergency condition occurs that closes the remotely operated cargo vapor shutoff valve in the facility's vapor control system. Multi-breasted tandem loading using more than one liquid transfer hose from the shore facility is prohibited unless the shore facility can comply with this requirement.

l. Kirby Corp. shall contact the local Coast Guard Captain of the Port (COTP) in whose zone the loading facilities are located, to ascertain if there is any additional operational requirement for this type of loading operation. Any additional requirement imposed by the local COTP along with the conditions of operation described in this letter, shall be incorporated in the vessel transfer procedures for each barge listed in this letter.

Kirby Corp. shall provide a copy of this letter to each of the 24 facilities listed in this letter. If you have any questions concerning this matter, please contact LT Jodi Min, of my staff at (202) 372-1418, e-mail: Jodi.j.min@uscg.mil.

Sincerely,

P. A. Keffler
Acting Chief, Hazardous Materials Division
By direction of the Commandant

Enclosure: (1) List of applicable barges

16703/46-39/2014-471
16JUN2014

Subj: MULTI-BREASTED TANDEM LOADING UNDER VAPOR CONTROL FOR KIRBY CORPORATION BARGES AT RE-CERTIFIED FACILITIES

Copy: Sector Houston-Galveston
Sector Corpus Christi
Sector Lower Mississippi River
Sector New Orleans
MSU Lake Charles
MSU Port Arthur
MSC, Tank Vessel and Offshore Division
CG-FAC-2

	Vessel Name	Official No.	Yard and Hull No.
1	KIRBY 28720	ON 1194265	Trinity Marine, Ashland City Hull 4540
2	KIRBY 28721	ON 1194266	Trinity Marine, Ashland City Hull 4541
3	KIRBY 28722	ON 1194267	Trinity Marine, Ashland City Hull 4542
4	KIRBY 28723	ON 1194268	Trinity Marine, Ashland City Hull 4543
5	KIRBY 30721B	ON 1194275	Trinity Marine, Ashland City Hull 4546
6	KIRBY 30722B	ON 1194270	Trinity Marine, Ashland City Hull 4547
7	KIRBY 30340B	ON 1194274	Trinity Marine, Ashland City Hull 4548
8	KIRBY 30341B	ON 1194271	Trinity Marine, Ashland City Hull 4549
9	KIRBY 30040B	ON 1194273	Trinity Marine, Ashland City Hull 4550
10	KIRBY 30041B	ON 1194272	Trinity Marine, Ashland City Hull 4551

(g) Per USCG MSC letter 16710/P015546, Serial C1-1000488 dated March 2, 2010, the following Kirby barges are accepted by the USCG MSC for dual loading operations under conditions as specified.

	Vessel Name	Official No.	Yard and Hull No.
1	KIRBY 28026	ON 1139036	West Gulf Hull 133
2	KIRBY 28027	ON 1139039	West Gulf Hull 134
3	KIRBY 28028	ON 1139040	West Gulf Hull 135
4	KIRBY 28029	ON 1151441	West Gulf Hull 139
5	KIRBY 28030	ON 1154082	West Gulf Hull 140
6	KIRBY 28031	ON 1154814	West Gulf Hull 141
7	KIRBY 28032	ON 1157355	West Gulf Hull 142
8	KIRBY 28033	ON 1160302	West Gulf Hull 143
9	KIRBY 28034	ON 1162194	West Gulf Hull 144
10	KIRBY 28038	ON 1167653	West Gulf Hull 151
11	KIRBY 28039	ON 1169970	West Gulf Hull 152
12	KIRBY 28040	ON 1170367	West Gulf Hull 153
13	KIRBY 28041	ON 1172227	West Gulf Hull 154
14	KIRBY 28042	ON 1175021	West Gulf Hull 155
15	KIRBY 28043	ON 1178117	West Gulf Hull 156

(h) Per USCG MSC letter 16710/P016441, Serial C1-1201031 dated February 22, 2012, the following Kirby barges are accepted by the USCG MSC for dual loading operations under conditions as specified.

	Vessel Name	Official No.	Yard and Hull No.
1	KIRBY 27780	ON 1232600	Trinity Marine, Ashland City Hull 4780
2	KIRBY 27765	ON 1233320	Trinity Marine, Ashland City Hull 4781
3	KIRBY 27766	ON 1233321	Trinity Marine, Ashland City Hull 4782
4	KIRBY 27767	ON 1233322	Trinity Marine, Ashland City Hull 4783
5	KIRBY 27768	ON 1233323	Trinity Marine, Ashland City Hull 4784
6	KIRBY 27769	ON 1233324	Trinity Marine, Ashland City Hull 4785
7	KIRBY 27770	ON 1233325	Trinity Marine, Ashland City Hull 4786
8	KIRBY 27771	ON 1233326	Trinity Marine, Ashland City Hull 4787
9	KIRBY 27772	ON 1233327	Trinity Marine, Ashland City Hull 4788