



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

Certification Date: 17 Jan 2020  
Expiration Date: 17 Jan 2025

# 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 30414 | 999815          |            |           | Tank Barge |

| Hailing Port                     | Hull Material | Horsepower | Propulsion |
|----------------------------------|---------------|------------|------------|
| HOUSTON, TX<br><br>UNITED STATES | Steel         |            |            |

| Place Built                      | Delivery Date | Keel Laid Date | Gross Tons   | Net Tons     | DWT | Length        |
|----------------------------------|---------------|----------------|--------------|--------------|-----|---------------|
| HOUSTON, TX<br><br>UNITED STATES | 15Apr1994     |                | R-1619<br>1- | R-1619<br>1- |     | R-297.5<br>10 |

| Owner                                                                                | Operator                                                                                 |
|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| KIRBY INLAND MARINE LP<br>55 WAUGH DR STE 1000<br>HOUSTON, TX 77007<br>UNITED STATES | KIRBY INLAND MARINE, LP<br>18350 MARKET STREET<br>CHANNELVIEW, TX 77530<br>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, coastwise, 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 in accordance with 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 and Ninth Coast Guard District's Tank Barge Streamlined

**\*\*\*SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION\*\*\***

With this Inspection for Certification having been completed at Houston, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Sector Houston-Galveston 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 |             |       |                 | This certificate issued by:<br>Nicole D. Rodriguez EDR, USCG, By Direction          |
|-------------------------------|-------------|-------|-----------------|-------------------------------------------------------------------------------------|
| Date                          | Zone        | A/P/R | Signature       |                                                                                     |
| 1/7/21                        | New Orleans | A     | Scott Firmin    | Officer in Charge, Marine Inspection<br>Sector Houston-Galveston<br>Inspection Zone |
| 12-8-21                       | Baton Rouge | P     | Roderick Nebel  |                                                                                     |
| 10/25/22                      | BR Can      | A     | Stephen Collins |                                                                                     |
| 12/5/23                       | Hou         | A     | Andrew Maharaj  |                                                                                     |



# Certificate of Inspection

Vessel Name: KIRBY 30414

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

### ---Hull Exams---

| Exam Type          | Next Exam | Last Exam | Prior Exam |
|--------------------|-----------|-----------|------------|
| DryDock            | 26Nov2024 | 26Nov2014 | 07May2004  |
| Internal Structure | 31Jan2025 | 17Jan2020 | 26Nov2014  |

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

Authorization: GRADE "A" AND LOWER AND SPECIFIED HAZARDOUS CARGOES.

| Total Capacity | Units | Highest Grade Type | Part151 Regulated | Part153 Regulated | Part154 Regulated |
|----------------|-------|--------------------|-------------------|-------------------|-------------------|
| 30400          |       | A                  | Yes               | No                | No                |

### \*Hazardous Bulk Solids Authority\*

### \*Loading Constraints - Structural\*

| Tank Location Description | Max Cargo Weight per Tank (short tons) | Maximum Density (lbs/gal) |
|---------------------------|----------------------------------------|---------------------------|
| 2 (P/S)                   | 782                                    | 13.600                    |
| 3 (P/S)                   | 719                                    | 13.600                    |
| 1 (P/S)                   | 782                                    | 13.600                    |

### \*Loading Constraints - Stability\*

| Hull Type | Maximum Load (short tons) | Maximum Draft (ft/in) | Max Density (lbs/gal) | Route Description              |
|-----------|---------------------------|-----------------------|-----------------------|--------------------------------|
| III       | 4352                      | 11ft 0in              | 13.6                  | RIVERS; LAKES, BAYS AND SOUNDS |
| II        | 3856                      | 10ft 0in              | 13.6                  | RIVERS; LAKES, BAYS AND SOUNDS |
| II        | 3856                      | 10ft 0in              | 13.6                  |                                |
| III       | 4352                      | 11ft 0in              | 13.6                  |                                |

### \*Conditions Of Carriage\*

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial # VN94000778, dated June 7, 2001, and Grade "A" and lower cargoes may be carried.

### \*Vapor Control Authority\*

This vessel's Vapor Collection System has been inspected to the plans approved by the Marine Safety Center letter serial #C-30495 dated September 22, 1993, and found acceptable for the collection of cargo vapors from Subchapter "D" cargoes listed in that letter and those Specific Hazardous Cargoes annotated with either a "V" or "T" in the CAA.

The letter "V" in the note column of the CAA signifies approval for vapor control without any additional requirements.

The letter "T" in the note column of the CAA signifies that the cargo is highly toxic and that spill valves or rupture disks are not authorized as the primary means of overfill protection required by 46 CFR 39.20-9. A high level and overfill alarm is required by 46 CFR 39.20-7

### \*Stability and Trim\*

Cargo tanks must be loaded uniformly whenever a 46 CFR Subchapter "O" cargo is carried; for trim purposes, the weight of cargo in each tank may exceed the uniformly loaded tank cargo weight by at most 5 percent.



# Certificate of Inspection

Vessel Name: KIRBY 30414

**--- Inspection Status ---**

**\*Cargo Tanks\***

| Tank Id | Internal Exam |           |           | External Exam |      |      |
|---------|---------------|-----------|-----------|---------------|------|------|
|         | Previous      | Last      | Next      | Previous      | Last | Next |
| 2 (P/S) | 07May2004     | 26Nov2014 | 26Nov2024 | -             | -    | -    |
| 3 (P/S) | 07May2004     | 26Nov2014 | 26Nov2024 | -             | -    | -    |
| 1 (P/S) | 07May2004     | 26Nov2014 | 26Nov2024 | -             | -    | -    |

Hydro Test

| Tank Id | Safety Valves | Hydro Test |      |      |
|---------|---------------|------------|------|------|
|         |               | Previous   | Last | Next |
| 2 (P/S) | -             | -          | -    | -    |
| 3 (P/S) | -             | -          | -    | -    |
| 1 (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\*\*\*



# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: KIRBY 30414  
Official #: D999815

Page 1 of 2

Shipyard: PLATZER SHIPYARD  
Hull #:

### List of Authorized Cargo

| Cargo Identification                                           |      |          |     |           |      | Conditions of Carriage                                               |                         |
|----------------------------------------------------------------|------|----------|-----|-----------|------|----------------------------------------------------------------------|-------------------------|
| Name                                                           | Chem | Compat   |     | Hull Type | Note | Special Requirements in 46 CFR 151 General and Matis of Construction |                         |
|                                                                |      | Group No | Exc |           |      |                                                                      |                         |
| <b>Authorized Subchapter O Cargoes</b>                         |      |          |     |           |      |                                                                      |                         |
| Acrylonitrile                                                  | ACN  | 15       | Y   | C         | II   | T                                                                    | 50-70(a), 55-1(e)       |
| Adiponitrile                                                   | ADN  | 37       |     | E         | II   | V                                                                    | No                      |
| Anthracene oil (Coal tar fraction)                             | AHO  | 33       |     |           | II   |                                                                      | No                      |
| Alkyl(C7-C9) nitrates                                          | AKN  | 34       | Y   |           | III  |                                                                      | 50-81, 50-88            |
| Acetonitrile                                                   | ATN  | 37       |     | C         | III  | T                                                                    | No                      |
| Butyraldehyde (all isomers)                                    | BAE  | 19       |     | C         | III  | V                                                                    | 55-1(b)                 |
| Butyl acrylate (all isomers)                                   | BAR  | 14       |     | D         | III  | V                                                                    | 50-70(a), 50-81(a), (b) |
| Benzene hydrocarbon mixtures (having 10% Benzene or more)      | BHB  | 32       |     |           | III  | V                                                                    | 50-60                   |
| Butyl methacrylate                                             | BMH  | 14       |     | D         | III  | V                                                                    | 50-70(a), 50-81(a), (b) |
| Benzene                                                        | BNZ  | 32       |     | C         | III  | V                                                                    | 50-60                   |
| Benzene, Toluene, Xylene mixtures (having 10% Benzene or more) | BTX  | 32       |     | B/C       | III  | V                                                                    | 50-60                   |
| Carbon tetrachloride                                           | CBT  | 36       |     |           | III  |                                                                      | No                      |
| Cyclohexanone                                                  | CCH  | 18       |     | D         | III  |                                                                      | 56-1(a), (b)            |
| Creosote (all isomers)                                         | CC   | 21       | Y   | E         | III  |                                                                      | No                      |
| Camphor oil (light)                                            | CPO  | 18       |     | D         | II   |                                                                      | No                      |
| Chlorobenzene                                                  | CRB  | 36       |     | D         | III  | V                                                                    | No                      |
| Chloroform                                                     | CRF  | 36       |     | E         | III  |                                                                      | No                      |
| Cresols (all isomers)                                          | CRS  | 21       |     | E         | III  | V                                                                    | No                      |
| Cresylic acid tar                                              | CRX  | 21       |     |           | III  |                                                                      | 55-1(f)                 |
| Cyclopentadiene, Styrene, Benzene mixture                      | CSB  | 30       |     | D         | III  |                                                                      | 50-60, 56-1(p)          |
| Crotonaldehyde                                                 | CTA  | 19       | Y   | C         | II   | T                                                                    | 55-1(h)                 |
| N,N-Dimethylacetamide                                          | DAC  | 10       |     | E         | III  |                                                                      | 56-1(b)                 |
| Dichlorobenzenes (all isomers)                                 | DBX  | 36       |     | E         | III  | T                                                                    | 56-1(a), (b)            |
| 1,1-Dichloroethane                                             | DCH  | 36       |     | C         | III  | V                                                                    | No                      |
| Dichloromethane                                                | DCM  | 36       |     | NF        | III  |                                                                      | No                      |
| 2,2'-Dichloroethyl ether                                       | DEE  | 41       |     | D         | II   | V                                                                    | 55-1(f)                 |
| Dimethylformamide                                              | DMF  | 10       |     | D         | III  |                                                                      | 55-1(e)                 |
| Dichloropropene, Dichloropropane mixtures                      | DMX  | 15       |     |           | II   |                                                                      | No                      |
| Dodecylidimethylamine, Tetradecylidimethylamine mixture        | DOT  | 7        |     | E         | III  |                                                                      | 56-1(b)                 |
| Ethyl acrylate                                                 | EAC  | 14       |     | C         | III  | V                                                                    | 50-70(a), 50-81(a), (b) |
| 2-Ethylhexyl acrylate                                          | EAI  | 14       |     | E         | III  | V                                                                    | 50-70(a), 50-81(a), (b) |
| Ethylene dichloride                                            | EDC  | 36       | Y   | C         | III  | V                                                                    | No                      |
| Ethylene glycol propyl ether                                   | EGP  | 40       |     | E         | III  |                                                                      | No                      |
| Ethylidene norbornene                                          | ENB  | 30       | Y   | D         | II   |                                                                      | 50-5, 50-74             |
| 2-Ethyl-3-propylacrolein                                       | EPA  | 19       | Y   | E         | III  | V                                                                    | No                      |
| Ethylene cyanohydrin                                           | ETC  | 20       |     | E         | III  | V                                                                    | No                      |
| Ethyl methacrylate                                             | ETM  | 14       |     | C         | III  | V                                                                    | 50-70(a)                |
| Furfural                                                       | FFA  | 19       |     | E         | III  | V                                                                    | 55-1(h)                 |
| Formaldehyde solution (37% to 50%)                             | FMS  | 19       | Y   | D/E       | III  | V                                                                    | 55-1(h)                 |
| Glutaraldehyde solution (50% or less)                          | GTA  | 19       |     | NF        | III  |                                                                      | No                      |
| Hydrocarbon 5-9                                                | HFN  | 30       |     | A         | III  | V                                                                    | 50-70(a), 50-81(a), (b) |
| Isoprene                                                       | IPR  | 30       |     | A         | III  |                                                                      | 50-70(a), 50-81(a), (b) |
| Methyl acrylate                                                | MAM  | 14       |     | C         | III  | V                                                                    | 50-70(a), 50-81(a), (b) |
| Methylcyclopentadiene dimer                                    | MCK  | 30       |     | C         | III  |                                                                      | No                      |
| 2-Methyl-5-ethylpyridine                                       | MEP  | 9        |     | E         | III  | V                                                                    | 55-1(e)                 |
| Methyl methacrylate                                            | MM   | 14       |     | C         | III  | V                                                                    | 50-70(a), 50-81(a), (b) |
| Mesityl oxide                                                  | MSO  | 18       | Y   | D         | III  | V                                                                    | No                      |
| alpha-Methylstyrene                                            | MSR  | 30       |     | D         | III  | V                                                                    | 50-70(a), 50-81(a), (b) |

\*\*\* 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 30414  
Official #: D999815

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Shipyard: PLATZER SHI  
Hull #:

| Cargo Identification                                              |      |          |     |           |      | Conditions of Carriage                                               |  |
|-------------------------------------------------------------------|------|----------|-----|-----------|------|----------------------------------------------------------------------|--|
| Name                                                              | Chem | Compat   |     | Hull Type | Note | Special Requirements in 46 CFR 151 General and Mat's of Construction |  |
|                                                                   |      | Group No | Exc |           |      |                                                                      |  |
| Coal tar naphtha solvent                                          | NCT  | 33       |     | D III     |      | .50-73                                                               |  |
| 1- or 2-Nitropropane                                              | NPM  | 42       |     | D III     |      | .50-81                                                               |  |
| 1,3-Pentadiene                                                    | PDE  | 30       |     | A III     |      | .50-70(e), .50-81                                                    |  |
| Polyethylene polyamines                                           | PEB  | 7        | Y   | E III     |      | .55-1(e)                                                             |  |
| Perchloroethylene                                                 | PER  | 36       |     | NF III    |      | No                                                                   |  |
| Pyridine                                                          | PRD  | 9        |     | C III     | V    | .55-1(e)                                                             |  |
| Sodium chlorate solution (50% or less)                            | SDD  | 0        | Y   | NF III    |      | .50-73                                                               |  |
| Sodium hypochlorite solution (20% or less)                        | SHQ  | 5        |     | NF III    |      | .50-73, .56-1(a), (b)                                                |  |
| Styrene (crude)                                                   | STX  | 30       |     | C III     |      | No                                                                   |  |
| Styrene monomer                                                   | STY  | 30       |     | D III     | V    | .50-70(e), .50-81(e), (b)                                            |  |
| Trichloroethylene                                                 | TCL  | 36       | Y   | III       |      | No                                                                   |  |
| 1,1,2-Trichloroethane                                             | TCM  | 36       |     | III       |      | .50-73, .56-1(a)                                                     |  |
| 1,2,3-Trichloropropane                                            | TCN  | 36       |     | E II      | T    | .50-73, .56-1(a)                                                     |  |
| 1,1,2,2-Tetrachloroethane                                         | TEC  | 36       |     | NF III    |      | No                                                                   |  |
| Triethylamine                                                     | TEN  | 7        |     | C II      |      | .55-1(e)                                                             |  |
| Tetrahydrofuran                                                   | THF  | 41       |     | C III     | V    | .50-70(b)                                                            |  |
| Urea, Ammonium nitrate solution (containing more than 2% Ammonia) | UAS  | 6        |     | III       |      | .56-1(p)                                                             |  |
| Vinyl acetate                                                     | VAM  | 13       |     | C III     | V    | .50-70(e), .50-81(e), (b)                                            |  |

### Explanation of terms & symbols used in the Table:

#### Cargo Identification

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                    | The proper shipping name as listed in 46 CFR Table 151.0                                                                                                                                                                                                                                                                                                                                                                                 |
| Chem Code               | The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual.                                                                                                                                                                                                                                                                                                                   |
| Competability 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. |
| Exceptions (Exc)        | Indication of whether or not there are exceptions to the compatibility chart for the given cargo. See Appendix I to 46 CFR Part 150.                                                                                                                                                                                                                                                                                                     |
| 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.                                                              |
| A, B, C                 | Flammable liquid cargoes, as defined in 46 CFR 30-10.22.                                                                                                                                                                                                                                                                                                                                                                                 |
| D, E                    | Combustible liquid cargoes, as defined in 46 CFR 30-10.15.                                                                                                                                                                                                                                                                                                                                                                               |
| NA, NF                  | Those subchapter O cargoes which are not classified as a flammable or combustible liquid.                                                                                                                                                                                                                                                                                                                                                |
| #                       | 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).                                                                                                                                                                                                                                                                                       |
|                         | Designed to carry products of sufficient hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4).                                                                                                                                                                                                                                                                                                                      |

#### Conditions of Carriage

Note See Certificate of Inspection for explanation of symbols used in this column.

U.S. Department of  
Homeland Security

United States  
Coast Guard



Commanding Officer  
United States Coast Guard  
Marine Safety Center

2100 2nd Street, S.W. Stop 7102  
Washington, DC 20593-7102  
Staff Symbol: MSC-3  
Phone: (202) 475-3403  
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16710/P017619  
Serial: C1-1301205  
May 1, 2013

Design Associates  
Attn: Mr. Asraf Degedy  
1508 Gause Blvd, STE 203-206  
Slidell, LA 70460  
Email: a.degedy@designassoc.net

Subj: KIRBY 30400, O.N. 998064, Platzer Hull 308  
KIRBY 30401, O.N. 999816, Trinity Marine Gulfport Hull 1395  
KIRBY 30405, O.N. 995546, Platzer Hull 306  
KIRBY 30406, O.N. 995547, Platzer Hull 307  
KIRBY 30407, O.N. 995574, Trinity Marine Gulfport Hull 1356  
KIRBY 30408, O.N. 995573, Trinity Marine Gulfport Hull 1357  
KIRBY 30409, O.N. 998015, Trinity Marine Gulfport Hull 1385  
KIRBY 30410, O.N. 998016, Platzer Hull 309  
KIRBY 30411, O.N. 998065, Trinity Marine Gulfport Hull 1390  
KIRBY 30412, O.N. 999813, Platzer Hull 310  
KIRBY 30413, O.N. 999814, Trinity Marine Gulfport Hull 1394  
KIRBY 30414, O.N. 999815, Platzer Hull 311  
297'-6" x 54' x 12' Unmanned Double Hull Type II/III Tank Barges (D/O)  
Grade A (max. 25 psia Reid) and Lower Grades Flammable or Combustible Liquids  
Identified in 46 CFR Table 30.25-1 or 46 CFR Part 153 Table 2 as Pollution Category  
I or III and Specified Hazardous Cargoes  
Design Density 8.7 lbs/gal; Maximum Density (slack load) 13.6 lbs/gal  
Rivers; Lakes, Bays, and Sounds; Limited Coastwise on unmanned fair weather voyages  
only, not more than 12 miles offshore between St. Marks and Carrabelle, Florida  
Multi-Breasted Tandem Loading

Ref: (a) Design Associates, Inc., C-4780, "Pressure Drop Calculations for Tandem Loading,"  
KIRBY 30400-30401 – 30405-30414  
(b) MSC Letter, Serial No. C-30650, dated December 7, 1993  
(c) MSC Letter, Serial No. C-30603, dated November 24, 1993  
(d) MSC Letter, Serial No. C-30495, dated September 22, 1993  
(d) MSC Letter, Serial No. C-30393, dated August 5, 1993

Dear Mr. Degedy:

In response to your electronic submission (MSC Document No. 1312357), dated April 5, 2013,  
we have reviewed the pressure drop calculations for multi-breasted tandem loading.  
Accordingly, reference (a) is "**Examined**".

16710/P017619  
Serial: C1-1301205  
May 1, 2013

Subj: KIRBY 30400, KIRBY 30401, and KIRBY 30405 through 30414  
Multi-Breasted Tandem Loading

The subject barges have vapor control systems previously approved by references (b) through (d), and are acceptable for dual loading operations. Based on the calculations in reference (a), tandem loading is limited to simultaneous collection of those cargoes listed in the vessels' CAA at a maximum transfer rate of **5,000 bbl/hr** per barge.

For final approval you must submit your request to Commandant (CG-ENG-5) with the name of the facility where the vessels will be conducting dual loading operations. For more information, please email the Coast Guard Hazardous Materials Standards division at [HazmatStandards@uscg.mil](mailto:HazmatStandards@uscg.mil).

If you have any questions concerning our review, please contact Lieutenant Rachel Beckmann at the number listed above.

Sincerely,

M. J. SEXTON  
Lieutenant, U. S. Coast Guard  
Assistant Chief, Tank Vessel and Offshore Division  
By direction

Encl: (1) Pressure Drop Calculations for Dual Cargo Loading Operations

Copy: Commandant, U. S. Coast Guard (CG-ENG-5)