



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

Certification Date: 28 Feb 2013  
Expiration Date: 28 Feb 2018  
IMO Number:

# 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<br>KIRBY 29307                                                                         | Official Number<br>628605                                                                       | Call Sign                                    | Service<br>Tank Barge                                    |
| Hailing Port<br>HOUSTON<br>TX                                                                      | Hull Material<br>Steel                                                                          | Horsepower                                   | Propulsion                                               |
| Place Built<br>ST LOUIS, MO<br>UNITED STATES                                                       | Delivery Date<br>01Jan1980                                                                      | Date Keel Laid<br>Gross Tons<br>R-2033<br>I- | Net Tons<br>R-2033<br>I-<br>DWT<br>Length<br>R-297<br>I- |
| Owner<br>KIRBY INLAND MARINE LP<br>55 WAUGH DRIVE, SUITE 1000<br>HOUSTON TX 77007<br>UNITED STATES | Operator<br>KIRBY INLAND MARINE<br>16402 1/2 DE ZAVALA<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.**

|                |                          |                   |                          |             |
|----------------|--------------------------|-------------------|--------------------------|-------------|
| Master         | Master & 1st Class pilot | Radio Officer(s)  | Chief Engineer           | QMED/Rating |
| Chief Mate     | Mate & 1st Class Pilot   | Able Seamen/ROANW | 1st Asst. Engr/2nd Engr. | Oilers      |
| 2nd Mate/OICNW | Lic. Mate/OICNW          | Ordinary Seamen   | 2nd Asst. Engr/3rd Engr. |             |
| 3rd Mate/OICNW | 1st Class Pilot          | Deckhands         | 3rd Asst. Engr.          |             |
|                |                          |                   | Lic. Engr.               |             |

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---

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 Coast Guard District's Tank Barge Streamlined 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 Houston-Galveston.

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

With this Inspection for Certification having been completed at Orange, TX, 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/Quarterly Reinspections |      |       |           | This certificate issued by:<br><br>R. J. JENKINS, LCDR, USCG, By direction<br>Officer in Charge, Marine Inspection<br>Marine Safety Unit Port Arthur<br>Inspection Zone |
| Date                                    | Zone | A/P/Q | Signature |                                                                                                                                                                         |
| -                                       | -    | -     | -         |                                                                                                                                                                         |
| -                                       | -    | -     | -         |                                                                                                                                                                         |
| -                                       | -    | -     | -         |                                                                                                                                                                         |



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## ---Hull Exams---

| Exam Type          | Next Exam | Last Exam | Prior Exam |
|--------------------|-----------|-----------|------------|
| Drydock            | 28Feb2018 | 29Feb2008 | 22May1998  |
| Internal Structure | 28Feb2018 | 28Feb2013 | 29Feb2008  |

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

Authorization/ Grade "A" and lower and specified hazardous cargoes.  
46CFR Subchapter D Authority: Highest Grade/A Capacity/29200 Units/Barrels  
46CFR Subchapter O Authority: Part 151/Yes Part 153/No Part 154/No

### \*Loading Constraints - Structural\*

| Tanks     | Max Cargo Weight/Tank(Short Tons) | Max Density(LBS/Gal) |
|-----------|-----------------------------------|----------------------|
| 2 (P/S)   | 929                               | 14.200               |
| DECK TANK | 6                                 | 14.200               |
| 3 (P/S)   | 880                               | 14.200               |
| 1 (P/S)   | 884                               | 14.200               |

### \*Loading Constraints - Stability\*

| Hull Type | Max Load<br>(STons) | Max Draft<br>(Ft/In) | Max Density<br>(Lbs/Gal) | Route                   |
|-----------|---------------------|----------------------|--------------------------|-------------------------|
| II        | 4196                | 11'1                 | <=14.20                  | Lakes, Bays, and Sounds |
| III       | 4549                | 11'9                 | <=14.20                  | Lakes, Bays, and Sounds |
| II        | 4196                | 11'1                 | <=14.20                  | Rivers                  |
| III       | 4549                | 11'9                 | <=14.20                  | Rivers                  |

### \*Conditions of Carriage\*

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #VN81000189, dated 23MAY00, and Grade "A" and lower cargoes may be carried.

### \*Vapor Control Authorization\*

This vessel's vapor control system has been inspected to the plans approved by the Marine Safety Center letter serial #M-20534 dated 10JUL92, and found acceptable for the collection of cargo vapors from those specific subchapter "D" cargoes contained in that letter, and those specified hazardous cargoes annotated with either "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.

### \*Deck Slop Tank\*

Deck slop tank is authorized for Grade "A" and lower and specified hazardous cargoes.

### \*Stability and Trim\*



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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.

## ---Inspection Status---

### \*Cargo Tanks\*

| TankID    | Internal Exam |           |           | External Exam |      |      |
|-----------|---------------|-----------|-----------|---------------|------|------|
|           | Previous      | Last      | Next      | Previous      | Last | Next |
| 2 (P/S)   | 28Aug2002     | 29Feb2008 | 28Feb2018 | -             | -    | -    |
| DECK TANK | -             | -         | -         | -             | -    | -    |
| 3 (P/S)   | 28Aug2002     | 29Feb2008 | 28Feb2018 | -             | -    | -    |
| 1 (P/S)   | 28Aug2002     | 29Feb2008 | 28Feb2018 | -             | -    | -    |

| TankID    | Safety |          | Hydro Test |      |
|-----------|--------|----------|------------|------|
|           | Valves | Previous | Last       | Next |
| 2 (P/S)   | -      | -        | -          | -    |
| DECK TANK | -      | -        | -          | -    |
| 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---

Number of Fireman Outfits/ 0

\*Fire Extinguishers - Hand portable and semi-portable\*

|     |            |
|-----|------------|
| Qty | Class Type |
| 2   | B-II       |

\*\*\*END\*\*\*



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COI Ref: 23-May-00

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## Cargo Authority Attachment

Vessel Name: KIRBY 29307

Official #: D628605

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Shipyard: POTT INDUSTRIES IN

Hull #: 4486

### List of Authorized Cargoes

| Cargo Identification |           |          |     |       |           | Conditions of Carriage |                                                                       |
|----------------------|-----------|----------|-----|-------|-----------|------------------------|-----------------------------------------------------------------------|
| Name                 | Chem Code | Compat   |     | Grade | Hull Type | Note                   | Special Requirements in 46 CFR 151 General and Mat'ts of Construction |
|                      |           | Group No | Exc |       |           |                        |                                                                       |

#### Authorized Subchapter O Cargoes

|                              |     |    |   |   |     |   |                         |
|------------------------------|-----|----|---|---|-----|---|-------------------------|
| Adiponitrile                 | ADN | 37 | N | E | II  | V | No                      |
| Butyraldehyde (all isomers)  | BAE | 19 | N | C | III | V | 55-1(h)                 |
| Butyl acrylate (all isomers) | BAR | 14 | N | D | III |   | 50-70(a), 50-81(a), (b) |
| Benzene                      | BNZ | 32 | N | C | III | V | 50-60                   |
| Carbon tetrachloride         | CBT | 36 | N |   | III |   | No                      |
| Camphor oil (light)          | CPO | 18 | N | D | II  |   | No                      |
| Caustic potash solution      | CPS | 5  | Y |   | III |   | 50-73, 55-1(j)          |
| Chlorobenzene                | CRB | 36 | N | D | III | V | No                      |
| Chloroform                   | CRF | 36 | N | E | III |   | No                      |
| Cresols (all isomers)        | CRS | 21 | N | E | III | V | No                      |
| Caustic soda solution        | CSS | 5  | Y |   | III |   | 50-73, 55-1(j)          |
| 1,3-Dichloropropene          | DPU | 15 | N | D | II  | T | No                      |
| Ethylene dichloride          | EDC | 36 | Y | C | III | V | No                      |
| Ethylene cyanohydrin         | ETC | 20 | N | E | III | V | No                      |
| Isoprene                     | IPR | 30 | N | A | III |   | 50-70(a), 50-81(a), (b) |
| Styrene monomer              | STY | 30 | N | D | III | V | 50-70(a), 50-81(a), (b) |
| Vinyl acetate                | VAM | 13 | N | C | III | V | 50-70(a), 50-81(a), (b) |

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

##### Cargo Identification

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                    | The proper shipping name as listed in 46 CFR Table 151.05.                                                                                                                                                                                                                                                                                                                                                                               |
| Chem Code               | The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual.                                                                                                                                                                                                                                                                                                                   |
| 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. |
| 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).                                                                                                                                                                                                                                                                                       |
| III                     | 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. |
|------|-------------------------------------------------------------------------------|

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