

## Appendix A: Requirements Causing the Information Collection

| Subject and Affected Population   | 33 CFR                        | Respondents   |
|---|-------------------------------|---|
| <b>Subpart A – General</b>  |                               |   |
| <b>Authorizing classification societies to perform plan reviews, certifications and inspections &amp; Appeals.</b>  |                               |   |
| Any classification society that wishes to be authorized must submit an application to the Coast Guard.  | 157.04(b), (c)(3) – (6)       | Authorized Classification Societies are estimated to approve 75% of Build Plans annually.                                     |
| Classification societies authorized to perform such duties must keep available plans, calculations, records of inspections, Any person/classification society not satisfied with a ruling may appeal the ruling in writing.   |                               |   |
| Any person not satisfied with a ruling may appeal the ruling in writing.  | 157.06                        | Historically one Appeal per year.   |
| <b>Subpart B - Design, Equipment, and Installation</b>  |                               |   |
| Owner or operator of a tank vessel engaged in the transfer of crude oil from an offshore oil exploitation or production facility on the Outer Continental Shelf must apply for acceptance of a special ballast arrangement, when necessary.   | 157.10b(d)                    |   |
| Each tank vessel that carries oil in bulk must have an instruction manual that describes the automatic and manual operation of the cargo and ballast system in the vessel.  | 157.23                        | New US and Foreign Tank Vessels.  |
| Owner, builder or designer of a new vessel that carries oil in bulk as cargo and wishes to enter the navigable waters of the United States must submit documentation to the Coast Guard.  | 157.24                        |   |
| Owner or operator of a tank vessel that will be modified to meet segregated ballast tanks requirements must submit calculations, plans and specifications for existing vessels.   | 157.24(a)                     |   |
| <b>Subpart C – Vessel Operation</b>   |                               |   |
| <b>Availability and use of the cargo and ballast system instruction manual.</b>   |                               |   |
| The master of a tank vessel must ensure that the instruction manual is available and used when the cargo or ballast systems are operated.   | 157.49                        | All US and Foreign Tank Vessels Carrying Oil in US annually. Foreign Tank Ships estimated as 50% of Total Foreign Population. |
| <b>Subpart D – Crude Oil Washing (COW) System on Tank Vessels</b>   |                               |   |
| <b>Submission of COW plans for U.S. tank vessels.</b>   |                               |   |
| Owner or operator of a tank vessel must submit COW plans for U.S. tank vessels.   | 157.1                         | New US Tank Vessels.  |
| The owner or operator of a U.S. tank vessel having a COW system must submit 2 copies of the COW operations and equipment manual for inspection of U.S. vessels.   | 157.108                       |   |
| U.S. tank vessels having a COW system are required to have COW documents on board.  | 157.116                       |   |
| If more than one tank vessel is constructed from the same plans, the owner or operator may submit a written request to the Commandant for only one of those tank vessels of the same class to be inspected.   | 157.144                       |   |
| If a U.S. tank vessel has tanks similar in dimensions and internal structure, the owner or operator may submit a written request to the OCMI for only one of those tanks to be inspected.   | 157.146                       |   |
| The owner or operator of a U.S. tank vessel that is to be inspected must submit to the Coast Guard inspector evidence that the COW piping system has passed a test of 1 ½ times the design working pressure.  | 157.148                       |   |
| After passing the inspections, the owner, operator, and master shall ensure that the results of the inspections are recorded in the Crude Oil Washing Operations and Equipment Manual.  | 157.15                        |   |
| <b>Submission of COW plans for foreign tank vessels.</b>  |                               |   |
| Owner or operator of a foreign tank vessel must submit COW plans for the vessels.   | 157.102                       | New Foreign Tank Vessels.   |
| Foreign tank vessels having a COW system that desire a Coast Guard approved manual must submit 2 copies of a manual that meets 33 CFR 158.138.  | 157.11                        |   |
| A foreign tank vessel having a COW system that desires a letter from the Coast Guard accepting the plans submitted must have COW documents on board.  | 157.118                       |   |
| If a foreign tank vessel has tanks similar in dimensions and internal structure, the owner or operator may submit a written request to the Commandant for only one of those tanks to be inspected.  | 157.147                       |   |
| The owner or operator of a foreign tank vessel that is to be inspected must submit to the Coast Guard inspector evidence that the COW system has been installed in accordance with the plans accepted.  | 157.148                       |   |
| After passing the inspections, the owner, operator, and master shall ensure that the results of the inspections are recorded in the Crude Oil Washing Operations and Equipment Manual.  | 157.15                        |   |
| <b>Subject and Affected Population</b>  |                               |   |
| <b>Subpart E – Dedicated Clean Ballast Tanks on Tank Vessels</b>  |                               |   |
| <b>Dedicated clean ballast tanks for U.S. tank vessels.</b>   |                               |   |
| Owner or operator of a tank vessel that will be modified to meet clean ballast tanks requirements must submit plans for U.S.  | 157.2                         | New US Tank Vessels.  |
| Owner or operator of a tank vessel that will be modified to meet clean ballast tanks requirements must submit a manual.   | 157.206                       |   |
| U.S. tank vessels equipped with dedicated clean ballast tanks are required to have related documents on board.  | 157.214                       |   |
| The owner or operator of a tank vessel that wants to make alterations to the dedicated clean ballast tanks must submit plans to show alterations.   | 157.218                       |   |
| <b>Dedicated clean ballast tanks for foreign tank vessels.</b>  |                               |   |
| Foreign flag vessels that wish to obtain a letter from the Coast Guard accepting the clean ballast tanks plans, and fall under any of the DWT determinations above would have to show proof of meeting the clean ballast tanks requirements.  | 157.202                       | New Foreign Tank Vessels.   |
| Foreign flag vessels that wish to obtain a letter from the Coast Guard accepting the clean ballast tanks plans, and fall under any of the DWT determinations above would have to show proof of meeting the clean ballast tanks requirements and submit an operations manual.  | 157.202                       |   |
| A foreign tank vessel equipped with dedicated clean ballast tanks that desires a letter from the Coast Guard accepting the plans submitted must have them on board.   | 157.208                       |   |
| The owner or operator of a tank vessel that wants to make alterations to the dedicated clean ballast tanks must submit plans to show alterations.   | 157.216                       |   |
| <b>Exemptions</b>   |                               |   |
| The owner or operator of a vessel seeking an exemption or modification from these requirements must submit an application requesting an exemption. The application must be in writing and submitted to the Commandant. The owner, operator, and master of each vessel that has been granted an exemption must ensure that the letter that grants the exemption is on board the vessel, or the certificate of inspection bearing the exemption is on board the vessel. | 157.302<br>157.310(e) and (f) | Historically none.  |

**Appendix B: Total Estimated Annual Burden on Industry from Reporting Requirements**

|                             |     |
|-----------------------------|-----|
| Build Plans Reviewed by ACS | 75% |
| Total Annual Build Plans    | 222 |

**Classification Society Copies of Build Plan Approvals**

|                    |          |                    |          |
|--------------------|----------|--------------------|----------|
| Annual Respondents | 7        | Annual Respondents | 7        |
| Annual Responses   | 167      | Annual Responses   | 167      |
| Hours per Response | 1        | Hour Burden        | 167      |
| Hour Burden        | 167      | Cost Burden        | \$12,024 |
| Wage Rate          | \$72     |                    |          |
| Cost Burden        | \$12,024 |                    |          |

**Build Plan and Related Submissions**

|                        |  |  |                    |          |
|------------------------|--|--|--------------------|----------|
| <i>US Tank Vessels</i> |  |  | Annual Respondents | 222      |
|                        |  |  | Annual Responses   | 222      |
|                        |  |  | Hour Burden        | 222      |
|                        |  |  | Cost Burden        | \$15,984 |

|                    | Tank Ship | Tank Barge | Total   |
|--------------------|-----------|------------|---------|
| Annual Respondents | 0         | 39         | 39      |
| Annual Responses   | 0         | 39         | 39      |
| Hours per Response | 1         | 1          |         |
| Hour Burden        | 0         | 39         | 39      |
| Wage Rate          | \$72      | \$72       |         |
| Cost Burden        | \$0       | \$2,808    | \$2,808 |

*Foreign Tank Vessels*

|                    | Tank Ship | Tank Barge | Total    |
|--------------------|-----------|------------|----------|
| Annual Respondents | 183       | 0          | 183      |
| Annual Responses   | 183       | 0          | 183      |
| Hours per Response | 1         | 1          |          |
| Hour Burden        | 183       | 0          | 183      |
| Wage Rate          | \$72      | \$72       |          |
| Cost Burden        | \$13,176  | \$0        | \$13,176 |

**Appeals and Exemptions**

|  |  |  |                    |       |
|--|--|--|--------------------|-------|
|  |  |  | Annual Respondents | 1     |
|  |  |  | Annual Responses   | 1     |
|  |  |  | Hour Burden        | 4     |
|  |  |  | Cost Burden        | \$288 |

  

|                    | Appeals | Exemptions | Total |
|--------------------|---------|------------|-------|
| Annual Respondents | 1       | 0          | 1     |
| Annual Responses   | 1       | 0          | 1     |
| Hours per Response | 4       | 8          |       |
| Hour Burden        | 4       | 0          | 4     |
| Wage Rate          | \$72    | \$72       |       |
| Cost Burden        | \$288   | \$0        | \$288 |

**Total Reporting**

|                       |          |
|-----------------------|----------|
| Reporting Respondents | 230      |
| Reporting Responses   | 390      |
| Reporting Hour Burden | 393      |
| Reporting Cost Burden | \$28,296 |

**Appendix C: Total Estimated Annual Burden on Industry from Recordkeeping Requirements**

|                                   |        |
|-----------------------------------|--------|
| Tank Ship Population: Foreign     | 10,002 |
| Foreign Tank Ships in US per Year | 50%    |

|                                    |     |
|------------------------------------|-----|
| Tank Barge Population: Foreign     | 217 |
| Tank Barge Population: Unspecified | 13  |
| Non-US Tank Barges Affected by COI | 0%  |

US Tank Vessels

|                           | Tank Ship | Tank Barge | Total           |
|---------------------------|-----------|------------|-----------------|
| Recordkeeping Respondents | 411       | 5,076      | <b>5,487</b>    |
| Recordkeeping Responses   | 411       | 5,076      | <b>5,487</b>    |
| Hours per Action          | 0.2       | 0.2        |                 |
| Hour Burden               | 83        | 1,016      | <b>1,099</b>    |
| Wage Rate                 | \$72      | \$72       |                 |
| Cost Burden               | \$5,976   | \$73,152   | <b>\$79,128</b> |

Foreign Tank Vessels

|                           | Tank Ship | Tank Barge | Total           |
|---------------------------|-----------|------------|-----------------|
| Recordkeeping Respondents | 5,001     | 0          | <b>5,001</b>    |
| Recordkeeping Responses   | 5,001     | 0          | <b>5,001</b>    |
| Hours per Action          | 0.2       | 0.2        |                 |
| Hour Burden               | 1,001     | 0          | <b>1,001</b>    |
| Wage Rate                 | \$72      | \$72       |                 |
| Cost Burden               | \$72,072  | \$0        | <b>\$72,072</b> |

Unspecified Tank Vessels

|                           | Tank Ship | Tank Barge | Total        |
|---------------------------|-----------|------------|--------------|
| Recordkeeping Respondents | 19        | 0          | <b>19</b>    |
| Recordkeeping Responses   | 19        | 0          | <b>19</b>    |
| Hours per Action          | 0.2       | 0.2        |              |
| Hour Burden               | 4         | 0          | <b>4</b>     |
| Wage Rate                 | \$72      | \$72       |              |
| Cost Burden               | \$288     | \$0        | <b>\$288</b> |

Total Recordkeeping

|                           |                  |
|---------------------------|------------------|
| Recordkeeping Respondents | <b>10,507</b>    |
| Recordkeeping Responses   | <b>10,507</b>    |
| Recordkeeping Hour Burden | <b>\$2,104</b>   |
| Recordkeeping Cost Burden | <b>\$151,488</b> |

**Appendix D: Total Estimated Annual Burden on Industry**

|             | Reporting | Recordkeeping | Total            |
|-------------|-----------|---------------|------------------|
| Respondents | 230       | 10,507        | <b>10,737</b>    |
| Responses   | 390       | 10,507        | <b>10,897</b>    |
| Hour Burden | 393       | 2,104         | <b>2,497</b>     |
| Cost Burden | \$28,296  | \$151,488     | <b>\$179,784</b> |

|                          |                  |
|--------------------------|------------------|
| <b>Total Respondents</b> | <b>10,737</b>    |
| <b>Total Responses</b>   | <b>10,897</b>    |
| <b>Total Hour Burden</b> | <b>2,497</b>     |
| <b>Total Cost Burden</b> | <b>\$179,784</b> |

\*Estimates may not sum due to rounding

**Appendix E: Estimated Annual Federal Government Cost**

|                    | ACS Approvals | Build Plans | Appeals | Total            |
|--------------------|---------------|-------------|---------|------------------|
| Annual Respondents | 7             | 222         | 1       | 230              |
| Annual Responses   | 167           | 222         | 1       | 390              |
| Hours per Review   | 5             | 10          | 40      |                  |
| Hour Burden        | 835           | 2,220       | 40      | 3,095            |
| Wage Rate          | \$98          | \$98        | \$98    |                  |
| Cost Burden        | \$81,830      | \$217,560   | \$3,920 | <b>\$303,310</b> |

|                          |                  |
|--------------------------|------------------|
| <b>Total Cost Burden</b> | <b>\$303,310</b> |
|--------------------------|------------------|

\*Estimates may not sum due to rounding