

-07 -41 107 1355 thru M-74-37-42

RECOMMENDATIONS

The National Transportation Safety Board agrees with the Coast Guard Marine Board of Investigation that the Coast Guard should take an active role in the control of tank cleaning operations. The National Transportation Safety Board further recommends that the U. S. Coast Guard:

1. Conduct physical experiments to determine if the tank cleaning procedures used on the V. A. FOGG could have created an incendiary discharge as a result of the charged mist. (Recommendation M-74-37)
2. Include, in periodic Coast Guard examinations, the inspection and testing of machinery and other equipment to be used in tank cleaning operations. (Recommendation No. M-74-38)
3. Reconsider, for future approval of tank vessel design, the establishment of a provision for the relief of explosive pressures in cargo tanks where explosive vapors might be expected to accumulate. (Recommendation M-74-39)
4. Utilize systems safety techniques to:
  - a. Evaluate proposed methods of tank cleaning operations before approving cargo-tank internal design features of tankships. (Recommendation M-74-40)
  - b. Establish basic tank cleaning guidelines in the form of procedural regulations. (Recommendation M-74-41)
5. Require that each tankship and shoreside tankship cleaning facility have available for examination by the Coast Guard written detailed procedures for the specific tank cleaning operations. Included in such procedures should be the requirement for holding shipboard safety meetings to ensure that all participants involved in tank cleaning operations are informed as to the correct and safe method of detailed operations to be conducted. (Recommendation M-74-42)

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