

NFPA Document Proposal Form

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Date 6/11/11 Name Donald Raffo Tel. No. 860-433-7007
Company Marine Chemist Association, 306 Committee Email draffo@gdeb.com
dvraff@comcast.net
Street Address 76 Farmholme Road City Stonington State CT Zip 06378

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Please indicate organization represented (if any) Marine Chemist Association, 306 Committee, 41 George Hill Road, Grafton, MA.

1. (a) NFPA Document Title Standard for the Control of Gas Hazards on Vessels NFPA No. & Year 306 - 2009
(b) Section/Paragraph 4.3.4(4)+(5)

2. Proposal Recommends (check one): new text revised text deleted text

3. Proposal (include proposed new or revised wording, or identification of wording to be deleted): [Note: Proposed text should be in legislative format; i.e., use underscore to denote wording to be inserted (inserted wording) and strike-through to denote wording to be deleted (~~deleted wording~~).]

4.3.4 SAFE FOR HOT WORK requires that in the compartment or space so designated, the following criteria shall be met at the time the Certificate is issued:

- (1) *The oxygen content of the atmosphere is not greater than 22 percent by volume.
- (2) *The concentration of flammable materials in the atmosphere is less than 10 percent of the LEL.
- (3) *The residues, scale, or preservative coatings are cleaned sufficiently to prevent the spread of fire and are not capable of producing a higher concentration than permitted by 4.3.4(1) or (2) under existing atmospheric conditions in the presence of hot work and while maintained as directed on the Certificate; or, in the case of the engine room or fire room bilges, or other machinery spaces, or spaces that have not contained flammable or combustible cargo, fuels, or coils are treated in accordance with the Marine Chemist's requirements.
- (4) *All ~~spaces adjacent to~~ cargo tanks adjacent to hot work certified "~~SAFE FOR HOT WORK~~" have been cleaned sufficiently of residues, scale, or preservative coatings to prevent the spread of fire, and flammable concentrations in the atmosphere are less than 10 percent of the LEL, or ~~are~~ have been inerted.
- (5) All ~~other non-cargo~~ spaces adjacent to spaces to be certified "SAFE FOR HOT WORK" are treated in accordance with Marine Chemist requirements and acknowledged on the Certificate.

4. Statement of Problem and Substantiation for Proposal: (Note: State the problem that would be resolved by your recommendation; give the specific reason for your Proposal, including copies of tests, research papers, fire experience, etc. If more than 200 words, it may be abstracted for publication.)

Currently, it is permissible to permit an adjacent cargo space to be certified for hot work with an LEL reading above 10%. This new wording will not permit hot work if an adjacent space has greater than 10% LEL. Additionally, changes to sections (4) and (5) address spaces adjacent to hot work by separating them into cargo and non-cargo spaces and treating them differently.

5. Copyright Assignment

- (a) I am the author of the text or other material (such as illustrations, graphs) proposed in the Proposal.
(b) Some or all of the text or other material proposed in this Proposal was not authored by me. Its source is as follows: (please identify which material and provide complete information on its source)

Marine Chemist Association, 306 Committee, 41 George Hill Road, Grafton, MA.

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Signature (Required) Donald Raffo

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Mail to: Secretary, Standards Council · National Fire Protection Association
1 Batterymarch Park · Quincy, MA 02169-7471 OR
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