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Inland Transport Committee

Working Party on the Transport of Dangerous Goods

Joint Meeting of Experts on the Regulations annexed to the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN) (ADN Safety Committee)

Twentieth session

Geneva, 23–27 January 2012

Item 4 (b) of the provisional agenda

Proposals for amendments to the Regulations annexed to ADN: Other proposals

Ventilation requirements^{1, 2}

Transmitted by the European Barge Union (EBU)

1. Over the course of the sixteenth, seventeenth and nineteenth sessions of the Safety Committee, the topic of ventilation requirements has been discussed. Two different research documents as well as the discussions at the above-mentioned meetings have led the EBU to draw up a formal document for the upcoming meeting. We would like to point out the importance of an amendment of the current requirements at the earliest possible time. For further justification, we would like to refer to the following documents: WP.15/AC.2/19/INF.7, WP.15/AC.2/17/INF.4 and WP.15/AC.2/16/INF.12.

Proposal 1

7.1.4.12.2

2. Amend to read as follows:

"On board vessels carrying dangerous goods only in containers placed in open holds, ventilators are not required to be incorporated but must be on board. Where damage of the container or release of contents inside the container is suspected, ~~the hold shall be~~

¹ Distributed in German by the Central Commission for the Navigation of the Rhine under the symbol CCNR/ZKR/ADN/WP.15/AC.2/2012/13.

² In accordance with the programme of work of the Inland Transport Committee for 2010–2014 (ECE/TRANS/208, para. 106, ECE/TRANS/2010/8, programme activity 02.7 (b)).

ventilated so as to reduce the concentration of gases given off by the cargo to less than 10% of the lower explosion limit or in the case of toxic gases to below any significant concentration. a measurement must be carried out by a person approved by the competent authority in order to confirm that the concentration of gases given off by the cargo is less than 10% of the lower explosion limit or in the case of toxic gases to below any significant concentration."

3. Delete column (10) (with entries VE01 to VE04) in Table A of chapter 3.2.
4. Delete 7.1.6.12 Ventilation

(Note: gas freeing is covered by 7.2.3.7.6 and 7.1.3.1.6 remains applicable.)

Proposal 2

7.1.3.12.2

5. Amend to read as follows:

"On board vessels carrying dangerous goods only in containers placed in open holds, ventilators do not require to be incorporated but must be on board. Where damage of the container or release of content inside the container is suspected, the hold shall be ventilated so as to reduce the concentration of gases given off by the cargo to less than 10% of the lower explosion limit or in the case of toxic gases to below any significant concentration."

7.1.6.12 Ventilation

6. Amend to read as follows:

"The following additional requirements shall be met when they are indicated in column (10) of Table A of Chapter 3.2

VE01: Holds containing these substances shall be ventilated with the ventilators operating at full power, where after measurement it has been established that the concentration of gases given off by the cargo exceeds 10% of the lower explosive limit. The measurement shall be carried out immediately after loading. The measurement shall be repeated after one hour for monitoring purposes. The results of the measurement shall be recorded in writing.

~~VE02: Holds containing these substances shall be ventilated with the ventilators operating at full power, where after measurement it has been established that the holds are not free from gases given off by the cargo. The measurement shall be carried out immediately after loading. The measurement shall be repeated after one hour for monitoring purposes. The results of the measurement shall be recorded in writing.~~

VE03: Spaces such as holds, accommodation and engine rooms, adjacent to holds containing these substances shall be ventilated.

After unloading, holds having contained these substances shall undergo forced ventilation.

After ventilation, the concentration of gases in these holds shall be measured.

The results of the measurement shall be recorded in writing.

VE04: When aerosols are carried for the purposes of reprocessing or disposal under special provision 327 of chapter 3.3, provisions of VE01 and VE02 are applied."

(Note: The report indicates that the measurement of explosion limits is technically possible in comparison to the cross-sensitivity issues with toxic substances.)

7. Delete "VE02" in column (10) in Table A of chapter 3.6.
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