

## COMMITTEE OF EXPERTS ON THE TRANSPORT OF DANGEROUS GOODS AND ON THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS

Sub-Committee of Experts on the Transport of Dangerous Goods

Thirty-fourth session  
Geneva, 1-9 December 2008  
Item 4 of the provisional agenda

### LISTING, CLASSIFICATION AND PACKING

#### Classification of Sour Crude/Revision of proposal in ST/SG/AC.10/C.3/2008/96

#### Transmitted by the Dangerous Goods Advisory Council (DGAC)

1. Taking into account informal discussions among Sub-Committee participants, the new special provision proposed in ST/SG/AC.10/C.3/2008/96, is proposed to be revised as shown below in order to more fully reflect existing practices for dealing with dangerous concentrations of H<sub>2</sub>S in crude oil.

#### **Proposal**

2. In place of the provisionally adopted UN3494 and 3495 proper shipping names provided in the annex to the report of the 33<sup>rd</sup> session, it is proposed the Sub-Committee adopt the following new special provision against UN 1267, Petroleum Crude Oil:

XXX – For a crude oil with the potential of evolving dangerous concentrations of hydrogen sulphide in excess of 10 ppm in the vapour space of a transport packaging and in a packaging with a capacity of more than 3000 litres, the following requirements must be met:

- a) The transport document must include the following statement:  
  
“This package may contain a dangerous concentration of hydrogen sulphide gas in the vapour space. Respiratory protection should be worn when opening the package.”
- b) The operator engaged in loading or unloading a transport tank must wear a H<sub>2</sub>S monitoring device alarming at a concentration 10ppm;
- c) Respiratory protection should be immediately available to the operator engaged in loading or unloading;
- d) The tank venting system should be located so that vapors are diverted away from the loading area as much as possible or a vapor control system should be used;

- e) Warning signs should be placed at the tank manhole and on two opposing sides of the tank with one in the vicinity of the loading and unloading area stating in the language of the operator, "WARNING H<sub>2</sub>S HAZARD". Signs on the side of the tank must be legible from a distance of 25 m.
-