



Ministerie van Infrastructuur
en Waterstaat

Incidents with fumigated cargo

Sharing information and
lessons learned

What happened?

- › December 2019: Barge Fox: shipper and his wife almost killed by fosfine in the wheel house.
- › Three other barges loaded with agribulk, too much fosfine





What happened (2)

- › Cargo from the vessel Smarta contained fosfine
- › Usual checks
- › Cargo declared safe after six checks
- › After loading barges fosfine was generated again!
- › No violation of existing regulations





What happened (3)

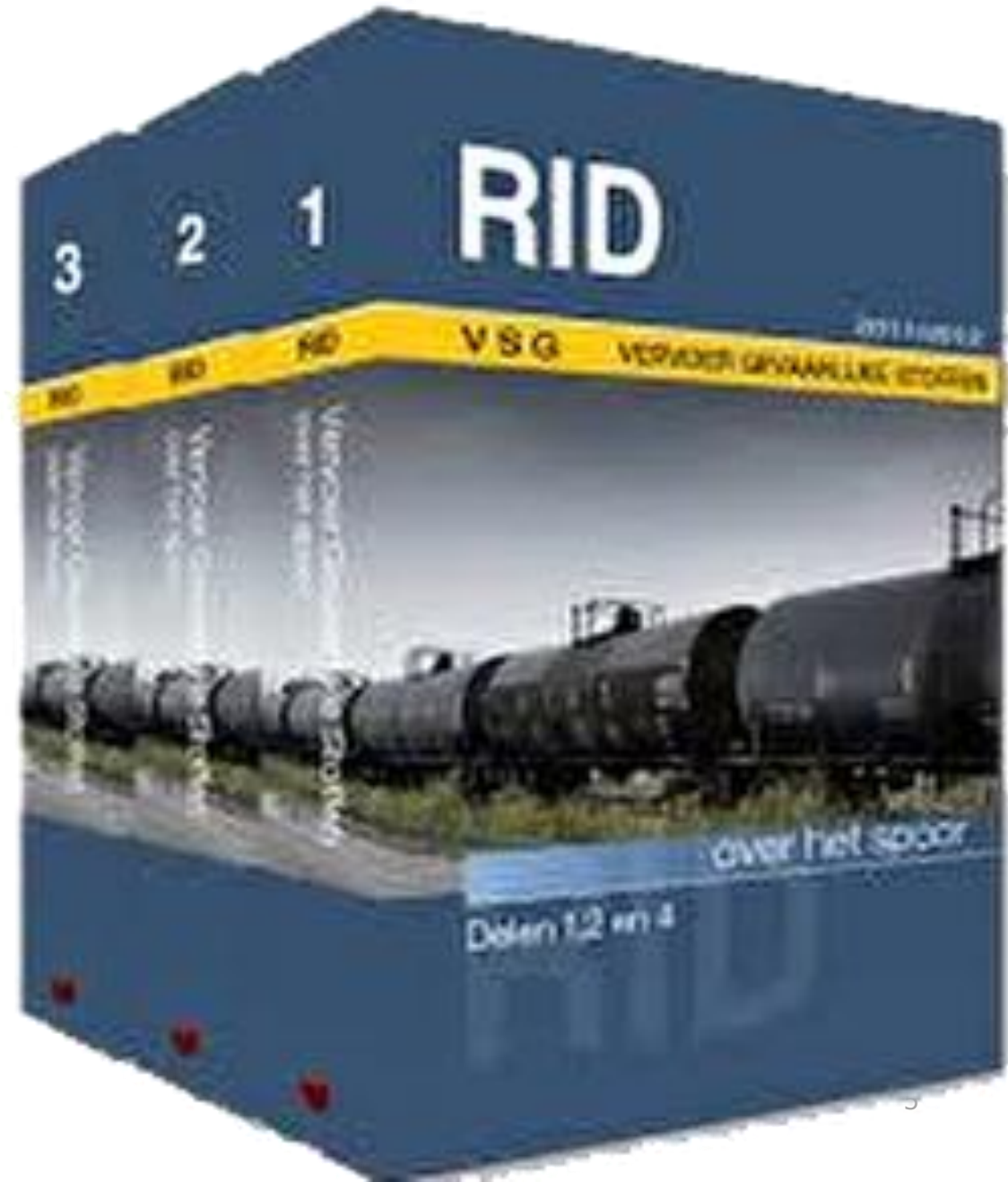
- › July 2021
- › Three barges loaded with agribulk containing fosfine
- › Gas was detected by chance
- › No victims, but ships out of service for five weeks
- › Agribulk arrived in NL by train
- › Criminal offence!





Why is this an offence?

- › RID knows regulations for fumigated transport units





Regulations

- > Paragaraph 5.5.1 of RID provides for regulations.
- > However, no regulations for bulktransport in seagoing vessels or barges
- > ADN is under review for this
- > IMO may expect proposals for new recomemendations

DANGER



THIS UNIT IS UNDER FUMIGATION
 WITH (fumigant name*) APPLIED ON
 (date*)
 (time*)
 VENTILATED ON (date*)

DO NOT ENTER

 dingen die van toepassing zijn invullen

_____ Minimale afmeting 400 mm _____

Waarschuwingsteken voor **gegaste lading**



Lessons

- › Framing of incidents is as important as reality: agribulk is not a dangerous good!
- › Regulations is one thing, but the may construct a virtual reality.
- › Integrated approach is necessary





Integrated approach

Pro-action
Prevention
Preparation
Repression
Care





Integrated approach in EU

Guide is a good example of best practices in approach of complicated issues in safety.

