

SCRUBBING IN THE PORT OF ROTTERDAM



Name Ron van Gelder

Scrubber observatory platform Stena Line October 12th 2017



SCRUBBERS

Types (issue):

- Wet (capacity)
- Dry (bigger and heavier)
- Open loop (pollution)
- Closed loop (waste)
- Hybrid (both)



SCRUBBERS

Use:

Netherlands: open loop

Baltic area: open loop

Germany: open/ closed loop

Belgium: closed loop



Issues

Bunkering of Caustic Soda (NaOH 50%)

Safe conditions

Bunker checklist

Disposal of Scrubber waste (now 30m³ /month)

Not regulated yet (notification)

Expensive



Cost recovery system

Scrubber waste is not included in CRS

Incentive (inclusion in waste fee)?

EN

Official Journal of the European Communities

DIRECTIVE 2000/59/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 November 2000 on port reception facilities for ship-generated waste and cargo residues

PARLIAMENT AND THE COUNCIL OF THE
N,

to the Treaty establishing the European
in particular Article 80(2) thereof,

to the proposal from the Commission ⁽¹⁾,

to the Opinion of the Economic and Social

to the Opinion of the Committee of the

by improving the availability and use of
ties and by improving the enforcement
Resolution of 8 June 1993 on a commo
seas ⁽²⁾, the Council included among its
the development of availability and u
facilities within the Community.

(5) Council Directive 95/21/EC of 19 June 1
the enforcement, in respect of :
Community ports and sailing in the w
jurisdiction of the Member States, of in
dards for ship safety, pollution preven

Notification

New notification:

- Scope new directive
- More categories (incl scrubber waste)
- As of mid-2018.

| InfoLink | | Waste declaration | | | | | | | |
|---|---------------------------------|-------------------|--------------------------------|-------------------------------|--|---|---|-------------------------------------|-------------------------------|
| Specifications | Amount of waste to be delivered | Name of collector | Anticipated berth of discharge | Date of anticipated discharge | Maximum dedicated storage capacity (cbm) | Port at which remaining waste will be delivered | Port at which remaining waste will be delivered | Last port where waste was delivered | Date when waste was delivered |
| CRN | | Voyage | | Client Ref | | Arrival | | Departure | |
| Nbr. of Crew | | Next Port of Call | | Flag | | Nbr. of passengers | | State | |
| <p>Annex II</p> <p>Annex IV and V</p> <p>Annex VI</p> | | | | | | | | | |

Thank you

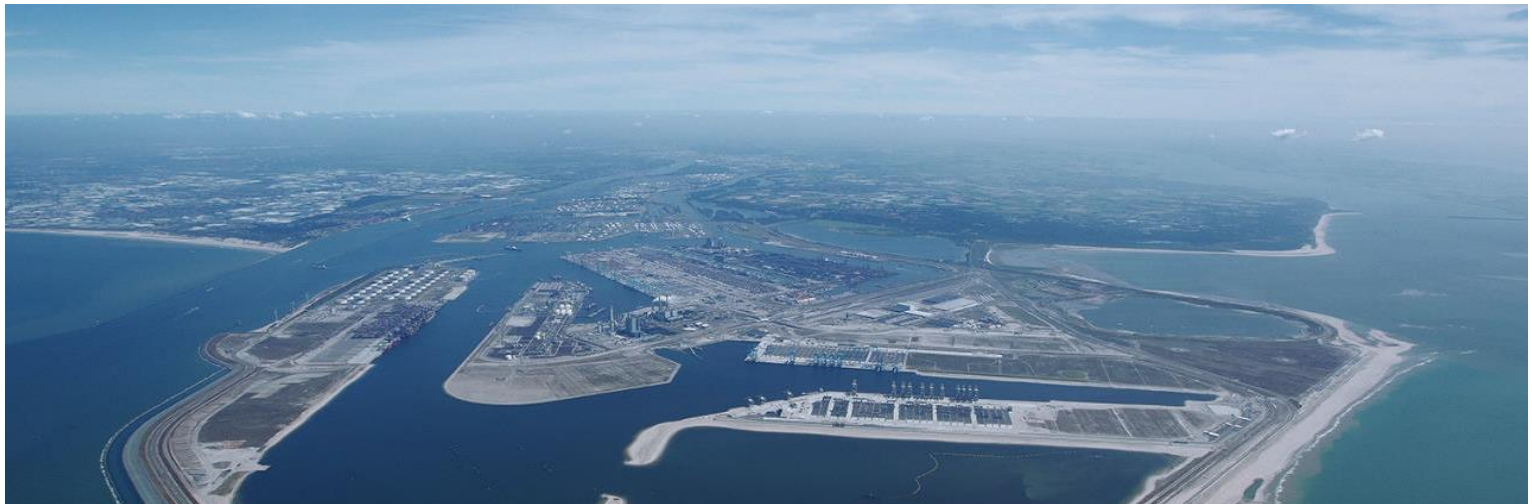


Foto onderschrift