



NL Agency
*Ministry of Housing, Spatial Planning and
the Environment*



VOC policy

VOC regulation in the
Netherlands

>> Focus on environment



VOC Policy goal in the Netherlands

Policy goal 1: improving local air quality

- reduction ozone formation
- odour nuisance
- reduction toxic VOCs (benzene)



Policy goal 2: National Emission Ceiling (NEC)

Goals are part of national environmental policy plan



VOC policy in the Netherlands

- Since 1980's
- In consultation with industry
- Emphasis on VOC reduction 'at the source'
- **Legislation**
- **Programmes**



VOC legislation in the Netherlands

- By-laws, from 1990's
 - Implementation of VOC directives in by-laws
 - General binding rules for non-permit companies (by-laws)
- Permits
 - 1992: VOC Emission values in Netherlands Guidelines for Air (NeR)
 - From 2000: VOC measures in NeR
- From 2008
 - combining many by-laws in one 'Activiteitenbesluit'
 - for both companies with and without a permit
 - example: IED implementation 2013



Nederlandse Emissie
Richtlijn Lucht



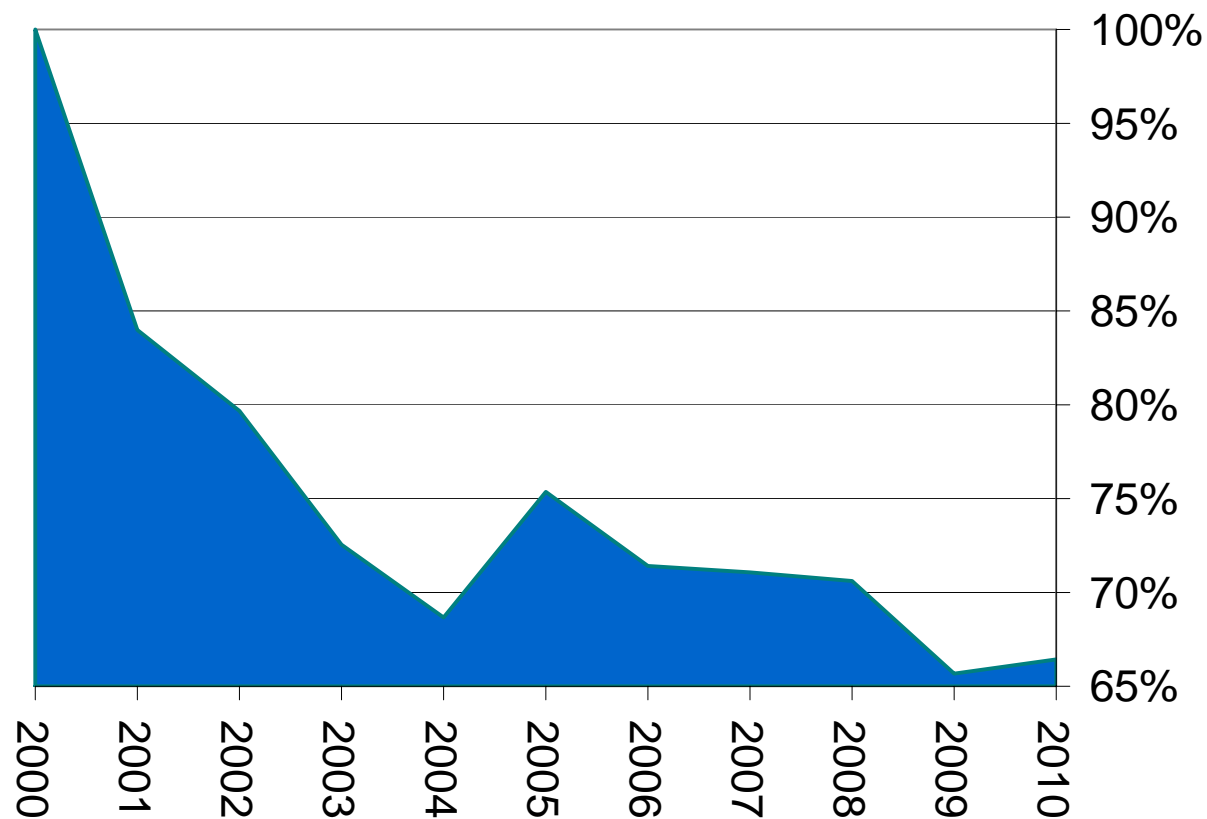
VOC Reduction Programmes

- Focus on industry, storage, refineries, energy, building
- Partly voluntary
- 1988-2000: **KWS2000**
 - About 50% reduction achieved
- 2000-2010: **National VOC Reduction Plan (NRP)**
 - Goal: 30% reduction in 2010 compared to 2000





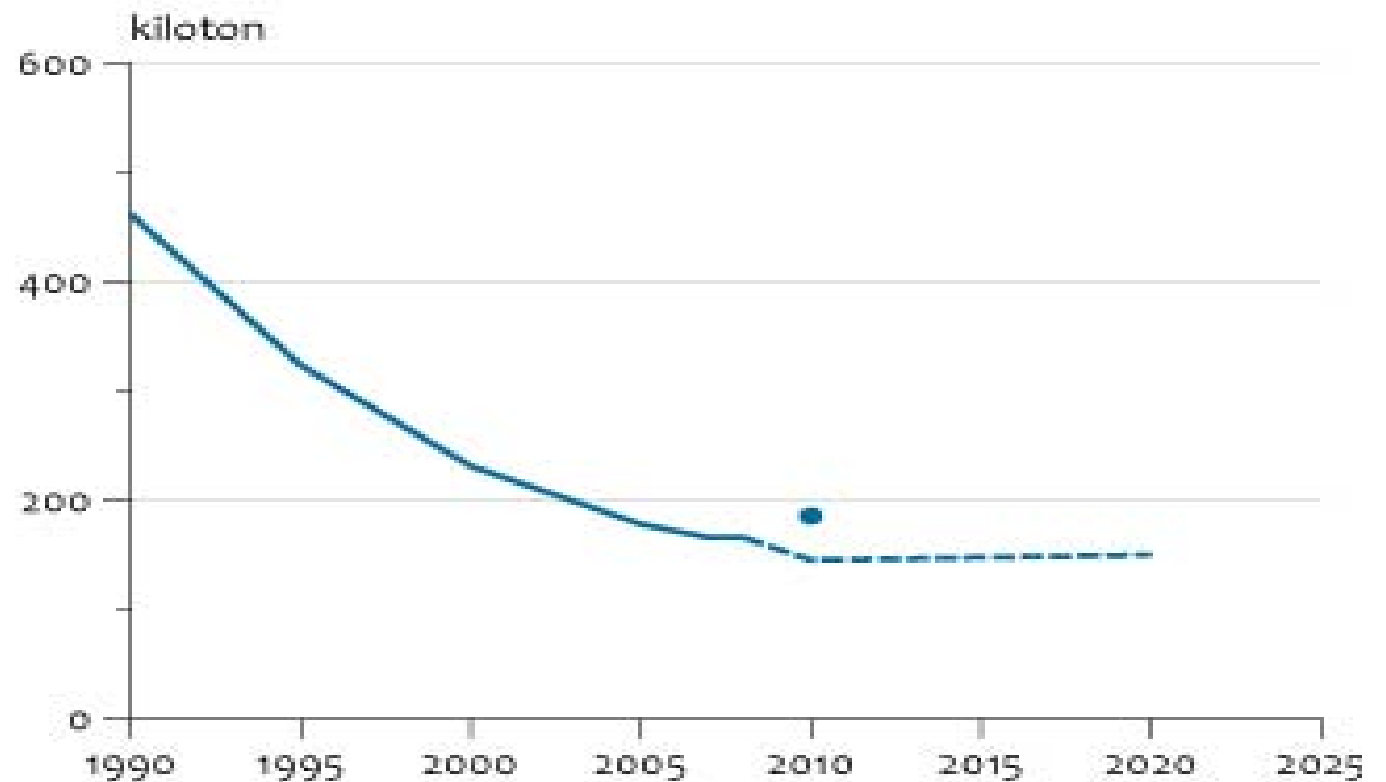
NRP Goal achieved: 30% VOC reduction





Total VOC emissions

Emissie vluchtige organische stoffen (exclusief methaan)

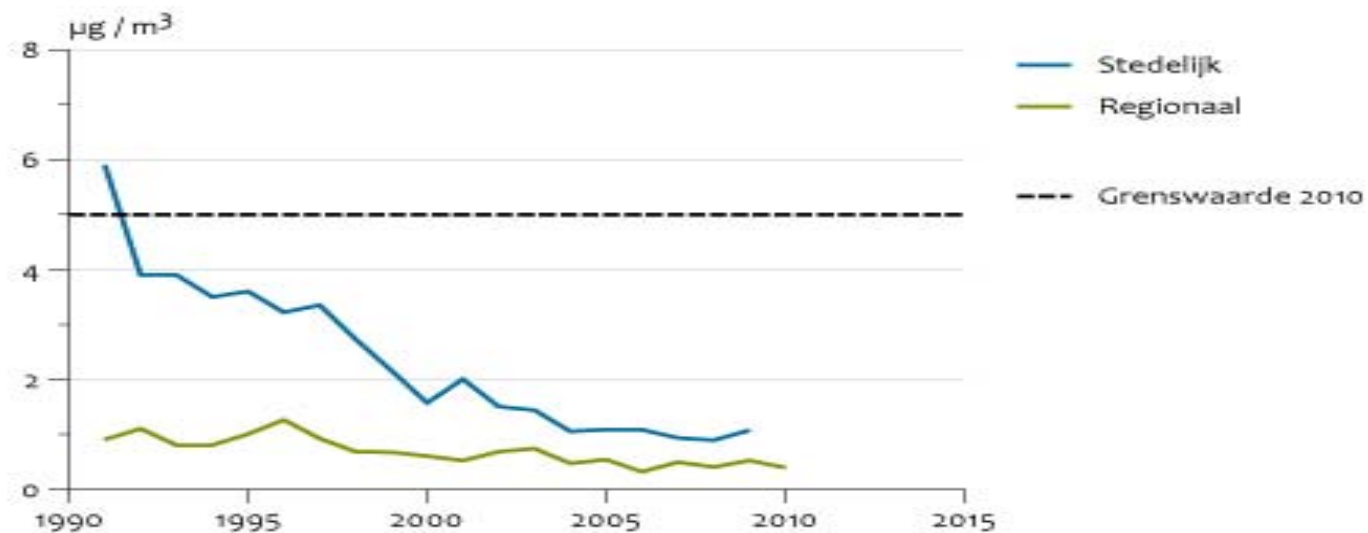


Bron: Emissieregistratie, ECN en PBL.



Local air quality, benzene

Benzeenconcentratie



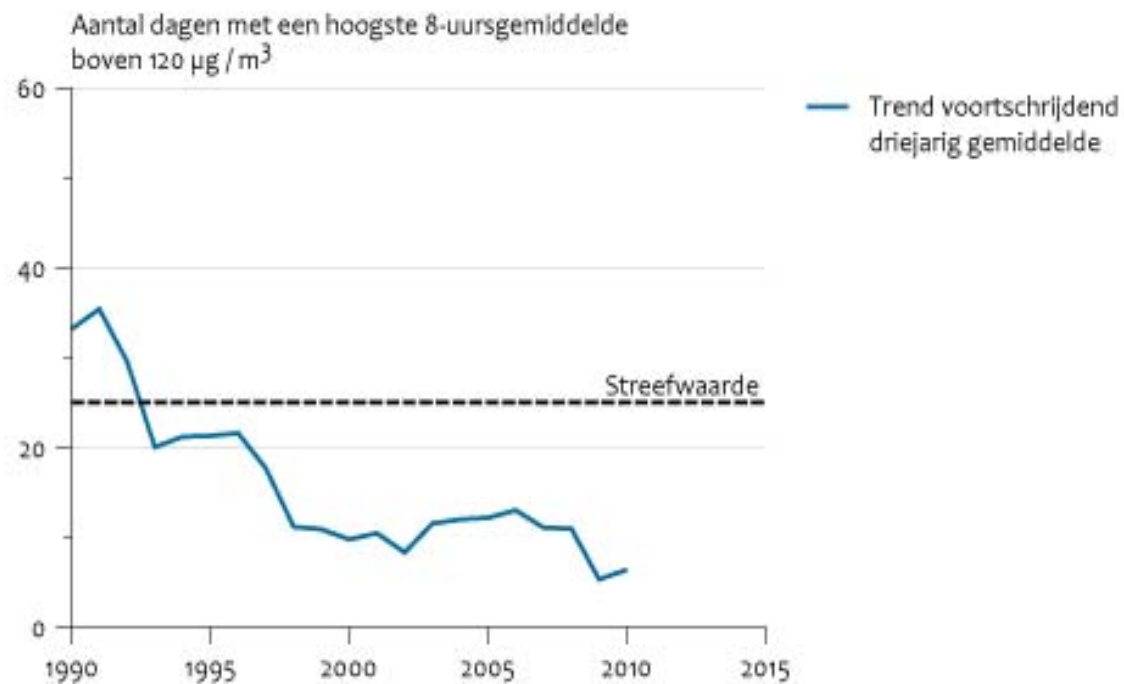
Bron: RIVM/DCMR, 2011.

PBL/apr11/0457
www.compendiumvoordeleefomgeving.nl



Policy goal ozone non attainment days

Blootstelling bevolking aan ozon



Bron: RIVM.

PBL/dec11/0238
www.compendiumvoordeleefomgeving.nl



Policy goals

- reduction ozone formation ✓
- odour nuisance ✓
- reduction toxic VOCs
benzene ✓
- NEC goal ✓





Future VOC policy NL

- Future goal:
 - Not yet new National Emission Ceilings (2020/2025)
 - Gothenburg protocol goal NL is achievable
 - *Possible rise in emissions from storage due to better monitoring*
- Follow up National Reduction Plan?
 - Nowadays more direct (EU) legislation
 - Less permits
 - Probably no reduction programme needed

