



Regulatory and legislative developments in the Netherlands



Pipelines for the transportation of dangerous liquids and gases

- n 18.000 km Pipelines
 - Natural gas grid 12.000 km
 - Gas prod. lines 1.600 km
 - Oil (products) 2.500 km
 - Other products 2.000 km
- n Function
 - Liquids: links between ports and industry clusters incl. B and D
 - Gas transportation - national and international





Main issues

- § Further improvement of public safety
- § Prevention of 3rd party damage
- § Firm introduction of pipeline integrity management
- § Registration of pipelines
- § Reservation of land acreage for future pipelines
- § Introduction and/or update of common norms, standards and data
- § Responsibility of pipelines by authorities



Main objectives

- n Introduction of specific pipeline legislation and safety rules
- n Introduction of legislation re. third party activities
- n Development of guide for pipeline integrity management
- n Development of registry for all pipelines
- n Development of overall plan for the routing of future pipelines
- n Further development of specific rules for design, construction, operations, maintenance of pipelines
- n Introduction of inspection/auditing by authorities



Main issues pipeline legislation

- n Safety distances for various products
 - Location oriented
 - Group oriented
- n Objective: $10E-6$ LO-contour on the pipeline!
- n How to achieve - measures
- n Cooperation operator/ministry/
municipality
- n Responsibility for bottlenecks



http://www.drenthe.info/kaarten/webste/risicokaart_pub/risicokaart.html - Ministerie van VROM

Bestand Begeerlen Beeld Favorieten Extra Help

Yonge

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Kies een thema...

Veiligheidsafstanden

zoek...

informatie

Modaliteit	Buisleiding
Bevoegd gezag	VROM
Gegevensherkomst	
Rapport	Klik hier...

Lees meer over het transport van gevaarlijke stoffen via [wegen](#), [spoorwegen](#), [waterwegen](#) of [buisleidingen](#).

Risicocontour transportroutedeel

Transportroutedeel	142
Naam hoofdroute	Nederlandse Aardolie Maatschappij
Omschrijving hoofdroute	
Modaliteit	Buisleiding
Bevoegd gezag	VROM
Gegevensherkomst	
Rekenprogramma	Datum berekening
Afstand [m]	
Type contour	ctr_6
Herkomst risicocontour	INGEVOERD
Rapport	Klik hier...

Toelichting: Een risicocontour (ofwel plaatsgebonden risico) geeft aan hoe groot in de omgeving de overbelasting is door een ongeval met een risico bron: binnen de contour is het risico groter, buiten de contour is het risico kleiner... [lees meer](#)

[Buisleiding](#)

- Ongevallen verkeer en vervoer
- Natuurrampen
- Paniek verstoring
- Kwetsbare objecten
- Kaart ondergrond

Topografische ondergrond (c) Topografische Dienst Kadaster

0 700 m

Risicokaart, aan deze kaart kunnen geen rechten worden ontleend.

Gereed

Internet

VRM Portaal - Ministerie ... Postvak.IN - Microsoft Ou... Risicokaart - Drenthe - M... http://www.drenthe.in... CRS-Viewer - Ministerie v... Microsoft PowerPoint - [T...

10:50



Main topics pipeline integrity management guideline (NTA 8000)

- Policy
- Management commitment
- Organization
- Inventory/evaluation/management - PDCA
- Management of change
- Incident reporting
- Training and exercises
- Calamity Plan
- Work permit system
- Documentation
- Relevant legislation
- Work plan



Plan for routing and reservation of acreage for future pipelines

- n Inventory of requirements
 - Gas
 - CO2
 - Chemicals/products
- n Plan harbors and industrial sites (N/B/G)
- n Space requirement
- n Determination of corridors
- n Organizational issues for parallel pipelines



Vision map pipelines

- n Draft map based on
 - Required space
 - Available space

- n Further validation with provinces and communities

- n Bottlenecks!





Status

- n Pipeline legislation – to be introduced 1/2011?
- n Legislation 3rd party activities – introduced 2009
- n Integrity management guide – introduced 2009
- n Registration pipelines – completed 2009
- n Plan routing future pipelines – available 1/2011?
- n Pipeline design rules etc. – completed 1/2011?
- n Inspection by authorities – gradual introduction in 2009, formal in 2011?