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Asphalt production

Estimating emissions

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Asphalt production

- > Guidebook provides methods for Road paving with asphalt (2D3b) and Asphalt roofing (2D3c) but not for *Asphalt production*
- > In general, industrial plants report to EPRTR, but in the Netherlands asphalt production plants are excluded from reporting
- > Civil concern about pollution as result of benzene, PAH, toluene emissions from asphalt production plants, often in urban areas
- > How to estimate emissions? Develop Tier1 method?



Tier1 method

- > Develop Emission Factors for benzene, PAH, toluene?
- > A few provincial environmental departments performed air concentration measurements at a few asphalt production plants.
- > Use this for derive IEFs? Problem: large variety in parameters like % recycled asphalt, temperature, moisture content, type of mill, etc
- > Quality of IEF? Method may be not very robust, but better than zero emissions reporting, and incentive for plants to react
- > How is this tackled in other countries?