

# BAT for processing of external industrial waste waters & liquid waste

## 1. Additional background information on study

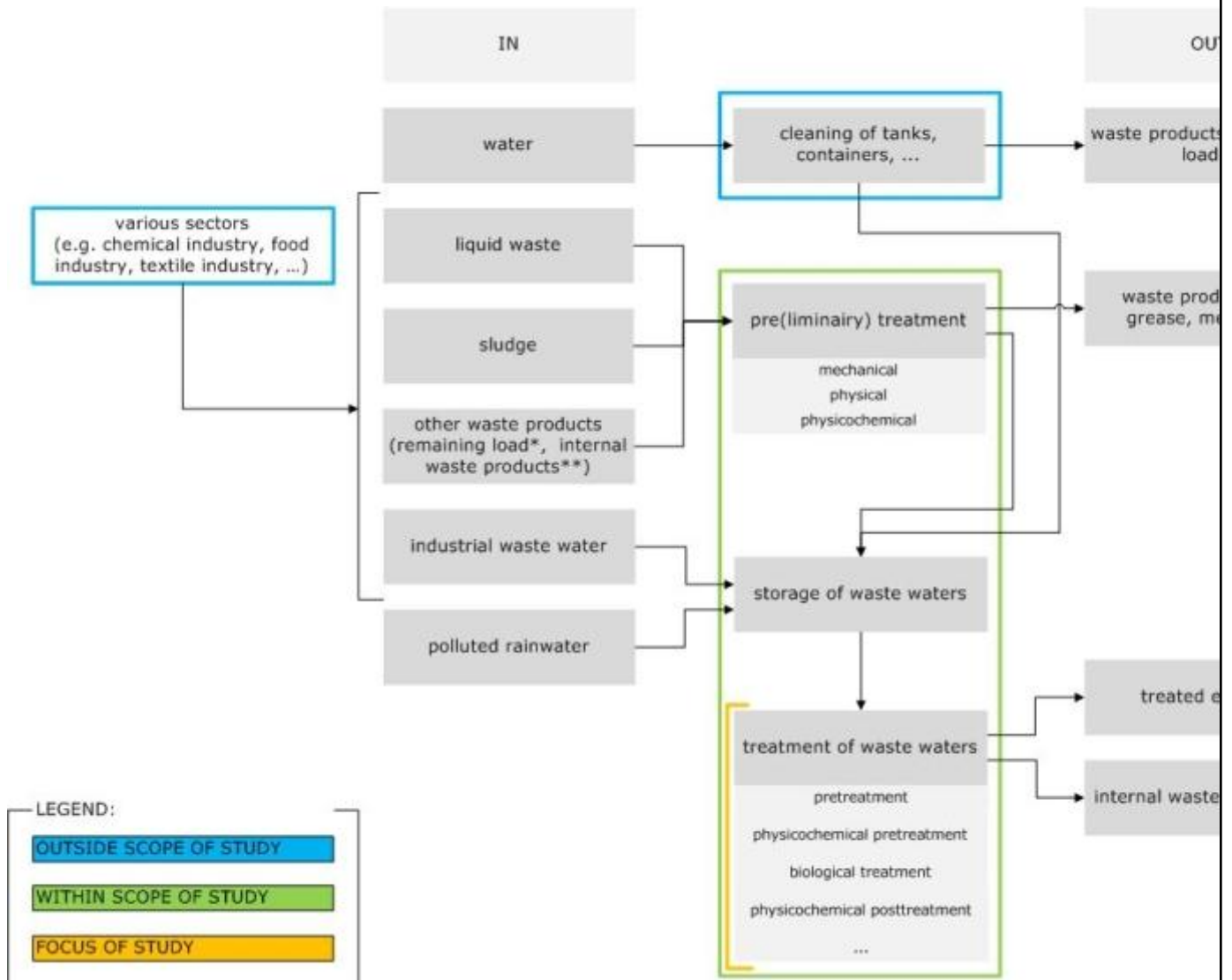
The activities that fall within the scope of the study are:

- the treatment of:
    - external (industrial) waste waters,
    - and/or waste waters generated during pretreatment of, also external, liquid (industrial) waste streams,
  - the pretreatment of, also external, liquid (industrial) waste streams.
- (aim of treatment is the "removal" of waste)

Operations aimed (exclusively) at "recovery", e.g.:

- recycling/reclamation of organic substances, e.g. solvents,
  - recycling/reclamation of metals and metal compounds,
  - recycling/reclamation of other inorganic materials,
  - regeneration of acids or bases
- fall outside the scope of the study.

A simplified process diagram for a typical company processing external waste waters and/or liquid waste streams is given below. The companies involved might also perform other activities, next to the processing activities, e.g. cleaning of tanks, containers, ... These activities fall outside the scope of the BAT-study.



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The study focuses on:

- the discharge of industrial waste water,
- the emissions of VOC,
- the emissions of odour.

The aim of the study is:

- to outline the processes, the environmental problems and the available environmental friendly techniques,
- to select the BAT,
- to formulate recommendations with respect to the Flemish environmental permit legislation on a basis of the techniques selected as BAT, namely:
  - BAT-AELs (i.e. BAT associated emission levels),
  - proposal for sectoral and/or special permit conditions (ELVs).

## 2. Personal details

\* 1. Please fill in your personal details below.

First and last name:

Organization:

Address (Street address,

P.O. box, c/o):

City:

State/Provence/Region:

ZIP/Postal Code:

Country:

E-mail:

Phone:

## 3. General information on sector (1)

\* 2. Are there in your country companies treating external industrial waste waters & liquid waste streams (including sludges)?

Yes

No

No information available

## 4. General information on sector (2)

**3. How many companies treating external industrial waste waters & liquid waste streams (including sludges) are there in your country?**

**Remark: Please provide, if possible, names and addresses (city) of these companies.**

## 5. Emissions to water (1)

\* 4. Do you have information on:

- the techniques applied by these companies for treating external waste waters and/or waste waters generated during pretreatment of, also external industrial, liquid waste streams,
- the emission limit values (ELVs) or other conditions (with respect to discharge of industrial waste water) set in the permits of these companies,
- the emission levels (for discharge of industrial waste water) achieved by these companies?

Yes

No

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## 6. Emissions to water (2)

Information with respect to discharge of industrial waste water into surface water and/or public sewer system.

Remark: This information can also be sent by e-mail or by post, if easier.

**5. Can you give us an overview of the techniques (e.g. activated carbon filter) applied?**

**6. Can you give us an overview of the ELVs or other permit conditions, and this for all relevant parameters?**

**7. Can you give us an overview of the emission levels achieved, and this for all relevant parameters?**

## 7. Emissions to air (1)

\* 8. Do you have information on:

- the techniques applied by these companies for reducing emissions of VOC and odour to air,
- the emission limit values (ELVs) or other conditions (with respect to emissions of VOC and odour to air) set in the permits of these companies,
- the emission levels (for emissions of VOC to air) achieved by these companies?

Yes

No



## 8. Emissions to air (2)

Information with respect to emissions of VOC and odour to air.

Remark: This information can also be sent by e-mail or by post, if easier.

**9. Can you give us an overview of the techniques (e.g. alkaline oxidative scrubber) applied?**

**10. Can you give us an overview of the ELVs or other permit conditions?**

**11. Can you give us an overview of the emission levels achieved?**

## 9. BAT-study, BAT & BAT-AELs (1)

- \* 12. Has a study on the Best Available Techniques (BAT) and the BAT associated emission levels (BAT-AELs) been performed in your country for companies treating external industrial waste waters & liquid waste stream (including sludges)?

**Remark: The BREF Waste Treatments Industries is already in our possession.**

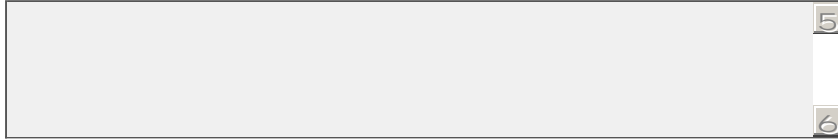
Yes

No

No information available

## 10. BAT-study, BAT & BAT-AELs (2)

**13. How is the information on the BAT (Best Available Techniques) and the BAT-AELs (BAT associated emission levels) used when setting permit conditions for companies treating external industrial waste waters & liquid waste stream (including sludges)?**



**11. BAT-study, BAT & BAT-AELs (3)**

**\* 14. Can you send us this study by e-mail or by post?**

Yes

No

**12. Thank you !**

Thank you for your time !

**15. If you have further remarks, please let us know.**

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	6