

**R&D:**  
**Investigations on the occurrence, sources and elimination possibilities of certain contaminants in municipal and industrial waste water treatment plants in Saxony, Part II: Expansion of the investigations**

C&E · Consulting und  
Engineering GmbH



D-09117 Chemnitz • Jagdschänkenstraße 52  
Tel.: +49 (0) 371 881 4228 • Fax: +49 (0) 371 881 4311  
E-mail: [info@cue-chemnitz.de](mailto:info@cue-chemnitz.de)  
Internet: [www.cue-chemnitz.de](http://www.cue-chemnitz.de)

**Project Objective:** Origin and elimination study as well as assessment of the further contaminants in the Saxon waste water treatment plants. Implementation of the exemplary elimination tests in the laboratory waste water treatment plants for the several groups of contaminants.

**Client:** Saxon State Office for Environment and Geology

**Beneficiary:** Saxony

**Year:** 2006-2008

**Budget:** 115.000 €



**Initial situation:**

On the basis of the method developed in the subproject I it is to experimentally determine the elimination behaviour during the biological waste water treatment (without and with further treatment) for the several contaminants. For this the contaminants concerned will be summarized within the requested special analytics for the following contaminants groups: group: isononylphenol, group: hormone active substances, group: nonylphenoethoxylate, group: phthalate, group: brominated diphenylether, group: phenoxy-carboxylic acid, group: hydrocarbons, group: cyanide, group: organic tin compounds, group: neutral GC-compounds, group: neutral HPLC-MS compounds, group: PCB, group: aniline, group: chlorophenol, group: small amines, group: metalloids, group: PAH.



**Services provided:**

- Origin and elimination study for further contaminants: literature and data research as well as treatment
- Elimination tests acc. to the method developed in part I for the above-mentioned groups of contaminants in the laboratory waste water treatment plants