

Appendix 1: Requirements for discharge to sewers

The organizations on the USPB use a common sewer. Discharged waste water ultimately leaves the AL-site via three sample pits. These sample pits are located at the site borders. The environmental permit contains strict discharge requirements for these three sample pits, with regard to heavy metals¹, BTEX² and VHCs³, see tables A and B below.

Table A. Maximum content in any sample

Measuring point	Parameter	Maximum (in µg/l)
M01, M02 & M03 ⁴	Heavy metals	1 000
	BTEX	10
	Sum of halogenated aliphatic hydrocarbons (NL: VGK)	10
	Sum of mineral, plant and animal fats and oils	200 000

Table B. Maximum content in a volume-proportional day sample

Measuring point	Parameter	Maximum (in µg/l)
M01, M02 & M03	Heavy metals	500
	BTEX	5
	Sum of halogenated aliphatic hydrocarbons (NL: VGK)	5

In order to comply with these discharge requirements for the mentioned substances, the following measures are taken:

- Use of alternative substances (that are less hazardous to the environment) where possible;
- If no alternatives are available, quantities used are reduced to a minimum;
- When used, discharge of these substances to sewers should be prevented as much as possible. This also applies to residues and to the cleaning of (auxiliary) materials (e.g. glassware).

¹ Heavy metals: Chromium, Copper, Lead, Nickel, Silver, Zinc.

² BTEX: Benzene, Toluene, Ethylbenzene en Xylene.

³ VGK (Volatile Halogenated Hydrocarbons: Sum of Dichloromethane; 1,1-dichloroethane; trichloromethane (chloroform); 1,2-dichloroethane; 1,1,1-trichloroethane; tetrachloromethane; trichloroethylene; 1,1,2-trichloroethane; tetrachloroethylene; cis-1,2-dichloroethylene; trans-1,2-dichloroethylene.

⁴ M01: sample pit Antonie van Leeuwenhoeklaan, M02: sample pit Brandenburgerweg, M03: sample pit main entrance.