

Background document for stakeholder meeting on the evaluation of the Drinking Water Directive 98/83/EC – Tuesday, 26 May 2015, Brussels

Adriana Hulsmann (KWR, Watercycle Research Institute), Erik Klaassens (Ecorys, Rotterdam), Hans Kros (Alterra, Wageningen-UR), Paul Römkens (Alterra, Wageningen-UR), Wim de Vries (Alterra, Wageningen-UR)

May 2015



What needs to be kept in mind is that the adjacent policies addressed here primarily address the quality of the water *prior to treatment*, i.e. the water quality as it would be observed in the different water bodies (surface, groundwater) and do not target the impact of the treatment. For substances particularly related to the presence in drinking water *during or after treatment* (e.g. during transport from the treatment facility to the tap, like lead), the DWD will be the main driving instrument even though concentrations prior to treatment can be regulated at less stringent standards than those set by the DWD itself.

Here we will first list the most relevant EU Directives that either directly or indirectly control the quality of water bodies used for drinking water purposes (Table 5). In table 1 we also indicate to which group (1-5) the Directives belong. In a separate file (yet to be completed) a quantitative comparison of the substances regulated as well as a qualitative analysis of the coherence based on the absolute value of the compound regulated by these Directives relative to the DWD is given. This will be done for Directives from group 1 only i.e. those that have standards for water quality as such. An assessment of the quantitative impact of Directives from group 2 to 5 as far as the final concentrations in water bodies would require extensive modelling approaches and or assumptions with a limited generic value (due to variation) and is therefore not included.

Table 5 Overview of relevant EU Directives and modes of action (group 1 – 5)

| Directive | Code | | Group |
|--|--------------------|-------------|-------|
| Nitrate Directive | 1991/676/EEC | | 1 |
| Water Framework Directive | 2000/60/EC | 2008/105/EC | 1 |
| Waste Directive | 2008/98/EC | | |
| Sewage Sludge Directive | 86/278/EEC | | |
| Plant Protection Products Directive | | | |
| Industrial Emissions Directive | 2010/75/EU | | |
| Landfill of Waste Directive | 1999/31/EC | | |
| Sewage Sludge Directive | 86/278/EEC | | 3 |
| Urban Waste Water Treatment Directive | 91/271/EEC | | 2 |
| Undesirable products in animal nutrition | 2001/102/EC | | |
| Technical requirements inland waterway vessels | 82/714/EEC | | |
| National emission ceilings for atmospheric pollutants | 2001/81/EC | | |
| Classification, packaging and labelling dangerous substances | 67/548/EEC | | |
| Integrated pollution prevention and control | 96/91/EC | 2008/1/EC | |
| Hazardous Waste | 91/698/EEC | | |
| Radioactive substances in water intended for human consumption | CD 2013/51/Euratom | | 1 |
| Exploitation and marketing of natural mineral waters | 2009/54/EC | | 1 |
| Constituents of natural waters and the conditions for ozone-enriched air for treatment of natural mineral waters and spring waters | 2003/40/EC | | 1 |
| Groundwater Directive | 2006/118/EC | | 1 |