

Phosphates in detergents: Latest developments in the Danube River Basin

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25. Januar 2007

Questions for the Discussion

- ▶ Is the information conclusive to state a need of the reduction of P-inputs to the Danube Basin and the Black Sea?
- ▶ Can the introduction of phosphate free detergents be a relevant contribution to that reduction?
- ▶ Is tertiary treatment as requested by the UWWTD sufficient in the near future?
- ▶ Is there enough information available on phosphate free and phosphate containing detergents?
- ▶ Are the economic implications of a switch to phosphate free detergents sufficiently clear?

Scenarios on Inputs of Phosphates

Scenarios	WWTP discharges	total Emissions	riverine load
UWWT state 2005			
- P in detergents state 2000	100	100	100
- only P-detergents	165	161	153
- without P in Detergents	84	88	91
UWWT state 2019			
- P in detergents state 2000	41	55	64
- only P-detergents	90	77	86
- without P in Detergents	35	52	61