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Regulatory Developments Related to TOrC						
Region/Country	Regulatory Development					
United States	Contaminant Candidate List 3 (2009, every 5 years): 10 pharmaceuticals, 9 hormones Unregulated Contaminant Monitoring Regulation (UCMR3) (2012): Screening for 7 hormones					
Oregon	SB737 - Municipal Persistent Pollutant Reduction Plans					
California	Recycled Water Policy: Monitoring Strategy for Water Reuse (2012)					
Massachusetts	Emerging Contaminant Screening Process					
European Union	 REACH Directive (2007) Compound-specific bans (e.g., Phtalates, nonylphenol) Proposed change of 'Directive on priority substances in the field of water quality' (2012): 17 alpha-ethinylestradiol (EE2), 17 beta-estradiol (E2), Diclofenac. Watershed specific strategies (2007, 2011): Rhine, Lake Geneva 					
Switzerland	Regulation Proposal to Finance WWTP Upgrades for TOrC Removal (2012)					
State and the second	1051					



























			Sewage	treated		
			Sowage	Bardennho	MBR	discharg
	DRP	a/m3	3 Sewaye	2.5	17	22
An extensive testing regime	Particulate P	g/m3	23	0.8	0	0.5
An extensive testing regime	Total P	g/m3	6.1	3.3	17	27
Effects Study will look at key	NH/-N	g/m3	37	0.5	1.7	0.67
	NO3-N	g/m3	0	3.1	1.0	27
containinants related to	Organic-N	g/m3	15	2.6	1.0	2
accepted guidelines and requirements. These will be shown on comparison tables along the lines previously presented to RPSC	Total-N	g/m3	52	6.1	4.0	5.4
	Suspended solids	a/m3	514	22	<1	15
	рН	pH units	7.3	7.4	7.2	7.3
	COD	g/m3	670	44	18	34
	alkalinity	g/m3 as CaCO3	206	78	87	81
	UV transmissivity			60	60	60
	E. coli				<1	4300
	Chloride	g/m3	49			49
	Total Aluminium	g/m3	1.04			0.068
	Total Antimony	g/m3	0.0042			0.0042
	Total Arsenic	g/m3	0.021			0.021
	Total Barium	g/m3	0.04			0.0061

			Sewage	treated discharge		
			Sewage	Bardenpho	MBR	discharge
	Total Bismuth	g/m3	0.0021			0.0021
	Total Boron	g/m3	0.22			0.16
	Total Cadmium	g/m3	0.0011			0.0011
Metals results are from 8 November 2012	Total Caesium	g/m3	0.0111			0.0105
	Total Calcium	g/m3	10.3			9
	Total Chromium	g/m3	0.011			0.011
	Total Cobalt	g/m3	0.0042			0.0042
	Total Copper	g/m3	0.091			0.011
	Total Iron	g/m3	0.68			0.42
Remainder of	Total Lanthanum	g/m3	0.0021			0.0021
Remainder of	Total Lead	g/m3	0.0045			0.0021
Compounds are	Total Lithium	g/m3	0.084			0.083
weekly tests len 2012	Total Magnesium	g/m3	3.1			2
weekly tests Jan 2013	Total Manganese	g/m3	0.071			0.052
– Feb 2014	Total Molybdenum	g/m3	0.0064			0.0042
100 2011	Total Nickel	g/m3	0.011			0.011
THE F & H	Total Phosphorus	g/m3	6.53			1.53
This information was	Total Potassium	g/m3	17.8			16.1
used in the last	Total Rubidium	g/m3	0.038			0.035
	Total Selenium	g/m3	0.021			0.021
Wastewater Consent	Total Silver	g/m3	0.0022			0.0022
Open difficers Objective	Total Sodium	g/m3	66			63
Condition Change	Total Strontium	g/m3	0.051			0.039
	Total Thallium	g/m3	0.0011			0.0011
	Total Tin	g/m3	0.011			0.011
	Total Uranium	g/m3	0.00042			0.00042
	Total Vanadium	g/m3	0.021			0.021
	Total Zinc	g/m3	0.16			0.035











