

DEQ TOXICS REDUCTION STRATEGY
POSSIBLE TOXICS REDUCTION OPTIONS SUBMITTED BY STATEKOHOLDERS – Draft (2/4/2010)

	TOXICS REDUCTION OPTION	TOXICS ADDRESSED	SOURCES AFFECTED	TYPE OF STRATEGY
1	<u>Add</u> narrative prohibition on controllable erosion in WQ Rules	Legacy & current use pesticides; metals	Agriculture and Forestry	Regulatory
2	<u>Remove</u> existing shields for nonpoint sources in water quality standards	Legacy & current use pesticides; metals	Agriculture and Forestry	Regulatory
3	<u>Clarify</u> the statutory requirement that logging practices must conform with water quality standards	Legacy & current use pesticides; metals	Agriculture and Forestry	Regulatory
4	<u>Add</u> requirement that nonpoint sources comply with load allocations	Legacy & current use pesticides; metals	Agriculture and Forestry	Regulatory
5	<u>Add</u> a clear statement of the relationship between the numeric toxics criteria and the antidegradation requirements.	Legacy & current use pesticides; metals	Agriculture and Forestry	Regulatory
6	<u>Add</u> requirement that certain nonpoint sources be redefined as point sources	Legacy & current use pesticides; metals	Agriculture and Forestry	Regulatory
7	<u>Add</u> nonpoint sources excluded from the Oregon Forest Practices Act	Legacy & current use pesticides; metals	Agriculture and Forestry	Regulatory
8	<u>Add</u> requirements that surrogate measures be clear and easily applied statements as to how to meet load allocations	Legacy & current use pesticides; metals	Agriculture and Forestry	Regulatory
9	<u>Add</u> requirement to use an enhanced Universal Soil Loss Equation to calculate and limit controllable erosion rates.	Legacy & current use pesticides; metals	Agriculture and Forestry	Regulatory
10	<u>Add</u> requirement that fertilizers be restricted to agronomic rates	Legacy & current use pesticides; metals	Agriculture and Forestry	Regulatory
11	<u>Recommend</u> that the Commission direct the Department to develop design specifications for riparian buffer strips.	Legacy & current use pesticides; metals	Agriculture and Forestry	Regulatory
12	<u>Add</u> that agricultural landowners must implement specific practices to be in compliance with water quality standards	Legacy & current use pesticides; metals	Agriculture and Forestry	Regulatory

13	<u>Recommend</u> that the Commission direct the Department to develop a regulatory plan to address contaminated sediment	Legacy & current use pesticides; metals	Agriculture and Forestry	Regulatory
14	DEQ could encourage or require smaller POTWs to opt into the National Pretreatment Program, where treatment/management may not otherwise be required	Legacy & current use pesticides; metals	Municipalities	Regulatory
15	Change the TMDL rules to require an individual Load Allocation be given to significant air deposition sources of a pollutant that is the subject of the TMDL	Metals, PAHs, VOCs	Air Emissions Point Sources	Regulatory
16	Regulating pollutants that are not currently regulated by air permits	Metals, PAHs, VOCs	Air Emissions Point Sources	Regulatory
17	Identify Significant Sources of Toxics Through Toxics Release Inventory (TRI)	All	Point Sources	Data Gathering
18	Lowering the discharge threshold for which air emissions permits are required	Metals, PAHs, VOCs	Air Emissions Point Sources	Regulatory
19	Change Air Quality and Land Quality Division rules to facilitate implementation of water quality TMDLs for toxics	All	Point Sources	Regulatory
20	Improved toxics monitoring of toxics in landfill leachate	All	Landfills	Data Gathering
21	Establish standards for metals and other “non-nutritive” toxics in fertilizers	Metals, others	Agriculture	Regulatory
22	Expand Pesticide Partnership Stewardship programs	Current Use Pesticides	Agriculture, Forestry, Urban	Voluntary
23	Limit homeowner application for some pesticides	Current Use Pesticides	Residential	Regulatory
24	OSU Extension reduction plans developed by sector that uses the listed pesticide	Current Use Pesticides	Agriculture	Voluntary
25	Sponsor OSU workshops on integrated pest management for farmers	Current Use Pesticides	Agriculture	Voluntary
26	Improve erosion control and sediment prevention permits and enforcement at state (1200-C permit) and local levels	Metals, Legacy & Current Use Pesticides, PAHs	Residential, Urban	Regulatory

27	Improve programs that limit erosion from farm and forestry land	Legacy & Current Use Pesticides, metals	Agriculture & Forestry	Regulatory & Voluntary
28	Fully implement Pesticide Use Reporting System (PURS)	Current Use Pesticides	Agriculture, Forestry & Other commercial users	Data Gathering
29	Substitute pesticides and practices to reduce use of listed pesticides in highway and road maintenance & at vector control districts	Current Use Pesticides	Municipal operations	Voluntary
30	Expand P2O Eco-logical program for automotive and landscape businesses to other parts of state	Current Use Pesticides; PAHs, VOCs, Metals, Detergents	Small Business	Voluntary
31	Expand Ecological business programs to other types of businesses	Current Use Pesticides; PAHs, VOCs, Metals, Detergents	Small Business	Voluntary
32	Initiate drug take back programs for households, long term care and hospice facilities	Pharmaceuticals	Residential	Voluntary / Regulatory
33	Incorporate OR P3 (and Focus) List into eco-certification programs, such as Salmon Safe, Sustainable Wineries, certified container nursery program	All	Agriculture, Small Business	Voluntary
34	Encourage use of safe soaps and cleaners for households, office cleaning and commercial laundries	Detergent & Soap Constituents	Residential, Industry, Small Business	Voluntary
35	Purchasing preference for certified soaps and cleaners for all municipal and state activities	Detergent & Soap Constituents	State and Local Government Operations	Regulatory
36	Advocate for statewide restrictions on chemicals in products, where appropriate	Consumer Product Constituents, Flame Retardants	Chemical Manufacturers	Regulatory

37	State should work directly with product manufacturers using listed ingredients to change consumer product constituents	Consumer Product Constituents	Chemical Manufacturers	Voluntary
38	Expand volunteer monitoring network for detecting consumer products in water quality	Consumer Product Constituents	All	Data Gathering
39	Improve practices in medical care, long term care facilities, hospitals, and clinics for managing pharmaceuticals and personal care products	Consumer Product Constituents	Medical Facilities	Voluntary
40	Advocate for reductions in flame retardant requirements, congruent with public safety concerns	Flame Retardants	Chemical Manufacturers	Regulatory
41	State and local government purchasing preferences for consumer goods manufacturer without listed flame retardants	Flame Retardants	State and Local Government Operations	Voluntary
42	Evaluate BMPs and conduct source-specific industry pollution prevention outreach for listed chemicals	All relevant chemicals	Industry	Voluntary
43	P3 list screening for appropriate NPDES industrial permit holders	All relevant listed chemicals	Industry	Regulatory
44	Support an Oregon Green Chemistry Initiative	All relevant listed chemicals	All	Voluntary
45	Develop & implement Sewer Use Ordinances	All relevant listed chemicals	Industry	Regulatory
46	Perform local limits study and adopt appropriate local limits	All relevant listed chemicals	Industry	Regulatory
47	Evaluate DEQ operation of the pretreatment program for interested small communities	All relevant listed chemicals	Industry	Regulatory
48	Restrict residential backyard burning	PAHs	Residential	Regulatory
49	Initiate and promote woodstove replacement programs	PAHs	Residential	Regulatory & Voluntary
50	Improve controls on air permits (ACDP and Title V) that emit listed metals - limit fallout	Metals	Air Emissions Point Sources	Regulatory

51	Improve industrial stormwater permitting program and compliance (1200Z) to address listed chemicals	Metals, PAHs	Industrial Stormwater Permittees	Regulatory
52	Tie biannual registration/certification to Dental BMP Program compliance oversight by Oregon Board of Dentistry	Mercury	Dental Offices	Regulatory
53	Verify BMP practices and separator installation at federal dental offices, including corrections	Mercury	Dental Offices	Regulatory
54	Accelerate historic abandoned mine cleanup	Mercury	Property owners, federal government	Regulatory
55	Mercury blood pressure cuff return program	Mercury	Residential, Medical Facilities	
56	Continue and expand rechargeable battery collection programs	Metals	Residential, Industry	Voluntary
57	Test and implement non-lead wheel weights	Lead	Local and State Government Operations	Voluntary
58	Replacement of mercury –containing switches in all publicly owned fleets	Mercury	Local and State Government Operations	Voluntary
59	Replace all mercury –containing switches in pumps at water and wastewater treatment plants and in collection systems	Mercury	Local Government Operations	Voluntary
60	Contractor incentives for mercury-containing thermostat return	Mercury	Building Contractors	Voluntary
61	Require removal of mercury-containing amalgams at crematoriums	Mercury	Crematoriums	Regulatory
62	Improve services to properly dispose of compact fluorescent bulbs from households and businesses	Mercury	Residential, Commercial & Industrial facilities	Voluntary

63	Product stewardship program for spent fluorescent tubes (Maine bill example)	Mercury	Lighting manufacturers, Residential, Commercial & Industrial facilities	Regulatory & Voluntary
64	Promote <i>Hospitals for Healthy Environment</i> programs to institute mercury reduction programs for hospitals and clinics	Mercury	Medical Facilities	Voluntary
65	Restrict disposal of compact fluorescent lights in household garbage	Mercury	Residential, Commercial & Industrial facilities	Regulatory
66	Support and improve Oregon e-waste recycling program	Mercury	Electronics product manufacturers, Residential, Commercial & Industrial facilities	Regulatory & Voluntary
67	Legacy pesticide take-back programs (Funding sources could include 319 grants, other pollution prevention grants, Supplemental Environmental Projects to settle enforcement cases, foundation funding, and others)	Legacy Pesticides	Agriculture, Other Commercial Pesticide Users	Voluntary
68	PCB TSCA regulatory compliance activities for ongoing PCB items	PCBs	Industrial and Governmental Facilities	Regulatory
69	For any group of businesses that is currently using, applying, storing or manufacturing toxics of concern, DEQ will require specific stormwater permits and set appropriate benchmarks and monitoring requirements.	All	Industrial and Commercial Facilities	Regulatory
70	DEQ Land Quality Division will use existing information, including all past practice database programs, the Environmental Cleanup Site Information database, federal CERCLIS system, and other information sources, to determine past practice sites that have used, stored, manufactured, or spilled the toxics of concern	All	Industrial and Commercial Facilities	Regulatory

71	The DEQ Land Quality Division will develop a priority list of past practice sites that need further investigation to determine if toxics of concern are impacting water quality	All	Industrial and Commercial Facilities	Regulatory
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