

### Initial DEQ Toxics Focus List 2010-2011

CASRN	Chemical Name	Known Uses/Sources	D	DEQ PROGRAM PRIORITIES <sup>(1)</sup>			Number of Program Priorities
				WATER QUALITY	LAND QUALITY	AIR QUALITY	
<b>Combustion By-Products</b>							
N/A	Polycyclic Aromatic Hydrocarbons (PAHs) - as group	Combustion by-products		WQS, CR-T2	Cleanup, WMP	Air Toxics	9 (total)
120-12-7	<i>Anthracene</i>	<i>Combustion by-products</i>		<i>P3, WTM, DWP</i>	<i>WMP</i>		4
218-01-9	<i>Chrysene [benzo(a)phenanthrene]</i>	<i>Combustion by-products</i>		<i>P3, WTM, DWP</i>	<i>WMP</i>		4
56-55-3	<i>Benz(a)anthracene</i>	<i>Combustion by-products</i>		<i>P3</i>	<i>HHW, WMP</i>		3
50-32-8	<i>Benzo(a)pyrene</i>	<i>Combustion by-products</i>		<i>P3, WTM</i>	<i>WMP</i>		3
206-44-0	<i>Fluoranthene [Benzo(j,k)fluorene]</i>	<i>Combustion by-products</i>		<i>P3, DWP</i>	<i>WMP</i>		3
129-00-0	<i>Pyrene</i>	<i>Combustion by-products</i>		<i>WTM, DWP</i>	<i>WMP</i>		3
205-99-2	<i>Benzo(b)fluoranthene</i>	<i>Combustion by-products</i>		<i>P3</i>	<i>WMP</i>		2
191-24-2	<i>Benzo(g,h,i)perylene</i>	<i>Combustion by-products</i>		<i>P3</i>	<i>WMP</i>		2
207-08-9	<i>Benzo(k)fluoranthene</i>	<i>Combustion by-products</i>		<i>P3</i>	<i>WMP</i>		2
53-70-3	<i>Dibenz(a,h)anthracene</i>	<i>Combustion by-products</i>		<i>P3</i>	<i>WMP</i>		2
193-39-5	<i>Indeno(1,2,3-cd)pyrene</i>	<i>Combustion by-products</i>		<i>P3</i>	<i>WMP</i>		2
85-01-8	<i>Phenanthrene</i>	<i>Combustion by-products</i>		<i>P3</i>	<i>WMP</i>		2
83-32-9	<i>Acenaphthene</i>	<i>Combustion by-products</i>			<i>WMP</i>		1
208-96-8	<i>Acenaphthylene</i>	<i>Combustion by-products</i>			<i>WMP</i>		1
205-82-3	<i>Benzo(j)fluoranthene</i>	<i>Combustion by-products</i>			<i>WMP</i>		1
189-55-9	<i>Benzo(r,s,t)pentaphene</i>	<i>Combustion by-products</i>			<i>WMP</i>		1
226-36-8	<i>Dibenz(a,h)acridine</i>	<i>Combustion by-products</i>			<i>WMP</i>		1
224-42-0	<i>Dibenz(a,i)acridine</i>	<i>Combustion by-products</i>			<i>WMP</i>		1
5385-75-1	<i>Dibenzo(a,e)fluoranthene</i>	<i>Combustion by-products</i>			<i>WMP</i>		1
192-65-4	<i>Dibenzo(a,e)pyrene</i>	<i>Combustion by-products</i>			<i>WMP</i>		1
189-64-0	<i>Dibenzo(a,h)pyrene</i>	<i>Combustion by-products</i>			<i>WMP</i>		1
191-30-0	<i>Dibenzo(a,l)pyrene</i>	<i>Combustion by-products</i>			<i>WMP</i>		1
194-59-2	<i>Dibenzo(c,g)carbazole, 7H-</i>	<i>Combustion by-products</i>			<i>WMP</i>		1
86-73-7	<i>Fluorene</i>	<i>Combustion by-products</i>			<i>WMP</i>		1
56-49-5	<i>Methylcholanthrene, 3-</i>	<i>Combustion by-products</i>			<i>WMP</i>		1
3697-24-3	<i>Methylchrysene, 5-</i>	<i>Combustion by-products</i>			<i>WMP</i>		1
832-69-9	<i>Methylphenanthrene, 1-</i>	<i>Combustion by-products</i>		<i>P3</i>			1
2381-21-7	<i>Methylpyrene, 1-</i>	<i>Combustion by-products</i>		<i>P3</i>			1
5522-43-0	<i>Nitropyrene, 1-</i>	<i>Combustion by-products</i>			<i>WMP</i>		1
N/A	Dioxins & Furans - as group	Combustion & industrial by-product		CR-T1, WTM	Cleanup, WMP		5 (total)
1746-01-6	<i>2,3,7,8-TCDD {as total TEQ}</i>	<i>Combustion &amp; industrial by-product</i>		<i>P3, WQS</i>			2
Multiple	Naphthalenes	Combustion by-product & VOC		CR-T3	HHW, WMP	Air Toxics	4
<b>Consumer Product Constituents (including pharmaceuticals &amp; personal care products)</b>							
N/A	Phthalates - as a group	Plasticizers			Cleanup, WMP, HHW		6 (total)
84-66-2	<i>Diethylphthalate</i>	<i>Plasticizer</i>		<i>WTM, DWP, CR-T3</i>			3
117-81-7	<i>Bis (2-ethylhexyl) phthalate</i>	<i>Plasticizer</i>		<i>WQS</i>			1
84-61-7	<i>Di-cyclohexyl phthalate [DCHP]</i>	<i>Plasticizer</i>		<i>P3</i>			1
3380-34-5	Triclosan	Disinfectant		P3, CR-T3, WTM, DWP	HHW		5
80-05-7	Bisphenol A	Plasticizer		WTM, CR-T3	HHW, WMP		4

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			DEQ PROGRAM PRIORITIES <sup>(1)</sup>				Number of Program Priorities	
CASRN	Chemical Name	Known Uses/Sources	D	WATER QUALITY	D	LAND QUALITY		AIR QUALITY
134-62-3	Diethyltoluamide, N, N- (DEET)	mosquito repellent		WTM, DWP, CR-T3		HHW		4
104-40-5	Nonyphenol, 4- (& ethoxylates)	Detergent/Surfactant		CRT-3, WTM, DWP		HHW		4
<b>Current Use Pesticides</b>								
333-41-5	Diazinon	Insecticide		POC, P3, WTM, DWP, CR-T2, GW		HHW		7
1582-09-8	Trifluralin	Herbicide		POI, P3, DWP, CR-T3, GW		HHW, WMP		7
1912-24-9	Atrazine	Herbicide		POC, WTM, DWP, CR-T3, GW		HHW		6
2921-88-2	Chlorpyrifos	Insecticide		WQS, POC, P3, DWP, CR-T2		HHW		6
58-89-9	Hexachlorocyclohexane (HCH), gamma- (Lindane)	Insecticide		P3, DWP, GW		Cleanup (all HCH isomers), HHW, WMP		6
87-86-5	Pentachlorophenol	Wood Preservative		WQS, CR-T3, GW		Cleanup, WMP, HHW		6
52645-53-1	Permethrin	Insecticide		P3, WTM, DWP, CR-T3, GW		HHW		6
63-25-2	Carbaryl	Insecticide		POI, DWP, CR-T3, GW		HHW		5
121-75-5	Malathion	Insecticide		POI, WTM, DWP, GW		HHW		5
40487-42-1	Pendamethalin	Herbicide		POI, P3, DWP, CR-T3		WMP		5
94-75-7	2,4-D	Herbicide		POI, WTM, GW		HHW		4
1897-45-6	Chlorothalonil	Fungicide		POI, P3, DWP		HHW		4
330-54-1	Diuron	Herbicide		POI, WTM, DWP		HHW		4
1071-83-6	Glyphosate	Herbicide		POI, WTM		HHW		3
114-26-1	Propoxur (Baygon)	Insecticide		DWP, GW		HHW		3
<b>Flame Retardants</b>								
N/A	Polybrominated Diphenyl Ethers (PBDEs) - as a group	Brominated Flame Retardant		CR-T1, DWP		Cleanup		5 (total)
5436-43-1	<i>PBDE-047 [2,2',4,4'-Tetrabromodiphenyl ether]</i>	<i>Brominated Flame Retardant</i>		<i>P3</i>		<i>WTM</i>		2
60348-60-9	<i>PBDE-099 [2,2',4,4',5-Pentabromodiphenyl ether]</i>	<i>Brominated Flame Retardant</i>		<i>P3</i>		<i>WTM</i>		2
189084-64-8	<i>PBDE-100 [2,2',4,4',6-Pentabromodiphenyl ether]</i>	<i>Brominated Flame Retardant</i>		<i>P3</i>		<i>WTM</i>		2
68631-49-2	<i>PBDE-153 [2,2',4,4',5,5'-hexabromodiphenyl ether]</i>	<i>Brominated Flame Retardant</i>		<i>P3</i>		<i>WTM</i>		2
1163-19-5	<i>PBDE-209 [decabromodiphenyl ether]</i>	<i>Brominated Flame Retardant</i>		<i>P3</i>		<i>WTM</i>		2
36483-60-0	<i>PBDE-138 [2,2',3,4,4',5'-Hexabromodiphenyl ether]</i>	<i>Brominated Flame Retardant</i>				<i>WTM</i>		1
36483-60-0	<i>PBDE-154 [2,2',4,4',5,6'-Hexabromodiphenyl ether]</i>	<i>Brominated Flame Retardant</i>				<i>WTM</i>		1
68928-80-3	<i>PBDE-185 [2,2',3,4,4',5',6-Heptabromodiphenyl ether]</i>	<i>Brominated Flame Retardant</i>				<i>WTM</i>		1
40088-47-9	<i>PBDE-66 [2,3',4,4'-Tetrabromodiphenyl ether]</i>	<i>Brominated Flame Retardant</i>				<i>WTM</i>		1
32534-81-9	<i>PBDE-85 [2,2,3,4,4-Pentabromodiphenyl ether]</i>	<i>Brominated Flame Retardant</i>				<i>WTM</i>		1
<b>Industrial Chemicals or Intermediates</b>								
N/A	Polychlorinated Biphenyls (PCBs)	Electrical equipment coolants/insulators		WQS, CR-T1, WTM		Cleanup, HHW, WMP		7 (total)
7012-37-5	<i>PCB-028 [2,4,4'-trichlorobiphenyl]</i>	<i>Electrical equipment coolants/insulators</i>		<i>P3, WTM</i>				2
35693-99-3	<i>PCB-052 [2,2',5,5'-tetrachlorobiphenyl]</i>	<i>Electrical equipment coolants/insulators</i>		<i>P3, WTM</i>				2
32598-13-3	<i>PCB-077 [3,3',4,4'-tetrachlorobiphenyl]</i>	<i>Electrical equipment coolants/insulators</i>		<i>P3, WTM</i>				2
37680-73-2	<i>PCB-101 [2,2',4,5,5'-pentachlorobiphenyl]</i>	<i>Electrical equipment coolants/insulators</i>		<i>P3, WTM</i>				2
32598-14-4	<i>PCB-105 [2,3,3',4,4'-pentachlorobiphenyl]</i>	<i>Electrical equipment coolants/insulators</i>		<i>P3, WTM</i>				2
31508-00-6	<i>PCB-118 [2,3',4,4',5-pentachlorobiphenyl]</i>	<i>Electrical equipment coolants/insulators</i>		<i>P3, WTM</i>				2
57465-28-8	<i>PCB-126 [3,3',4,4',5-pentachlorobiphenyl]</i>	<i>Electrical equipment coolants/insulators</i>		<i>P3, WTM</i>				2
35065-28-2	<i>PCB-138 [2,2',3,4,4',5'-hexachlorobiphenyl]</i>	<i>Electrical equipment coolants/insulators</i>		<i>P3, WTM</i>				2
35065-27-1	<i>PCB-153 [2,2',4,4',5,5'-hexachlorobiphenyl]</i>	<i>Electrical equipment coolants/insulators</i>		<i>P3, WTM</i>				2

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35065-29-3	PCB-180 [2,2',3,4,4',5,5'-heptachlorobiphenyl]	Electrical equipment coolants/insulators		P3, WTM			2
37680-65-2	PCB 18 [2,2',5-trichlorobiphenyl]	Electrical equipment coolants/insulators		WTM			1
70362-50-4	PCB-081 (3,4,4',5-tetrachlorobiphenyl)	Electrical equipment coolants/insulators		P3			1
74472-37-0	PCB-114 [2,3,4,4',5-pentachlorobiphenyl]	Electrical equipment coolants/insulators		P3			1
65510-44-3	PCB-123 [2',3,4,4',5-pentachlorobiphenyl]	Electrical equipment coolants/insulators		P3			1
38380-07-3	PCB-128 [2,2',3,3',4,4'-hexachlorobiphenyl]	Electrical equipment coolants/insulators		WTM			1
38380-08-4	PCB-156 [2,3,3',4,4',5-hexachlorobiphenyl]	Electrical equipment coolants/insulators		P3			1
69782-90-7	PCB-157 [2,3,3',4,4',5-hexachlorobiphenyl]	Electrical equipment coolants/insulators		P3			1
52663-72-6	PCB-167 [2,3',4,4',5,5'-hexachlorobiphenyl]	Electrical equipment coolants/insulators		P3			1
32774-16-6	PCB-169 [3,3',4,4',5,5'-hexachlorobiphenyl]	Electrical equipment coolants/insulators		P3			1
35065-30-6	PCB-170 [2,2',3,3',4,4',5-heptachlorobiphenyl]	Electrical equipment coolants/insulators		WTM			1
52663-68-0	PCB-187 [2,2',3,4',5,5',6-heptachlorobiphenyl]	Electrical equipment coolants/insulators		WTM			1
39635-31-9	PCB-189 [2,3,3',4,4',5,5'-heptachlorobiphenyl]	Electrical equipment coolants/insulators		P3			1
52663-78-2	PCB-195 [2,2',3,3',4,4',5,6-octachlorobiphenyl]	Electrical equipment coolants/insulators		WTM			1
40186-72-9	PCB-206 [2,2',3,3',4,4',5,5',6-nonachlorobiphenyl]	Electrical equipment coolants/insulators		WTM			1
2051-24-3	PCB-209 [2,2'3,3',4,4',5,5',6,6'-decachlorobiphenyl]	Electrical equipment coolants/insulators		WTM			1
41464-39-5	PCB-44 [2,2',3,5'-tetrachlorobiphenyl]	Electrical equipment coolants/insulators		WTM			1
32598-10-0	PCB-66 [2,3',4,4'-tetrachlorobiphenyl]	Electrical equipment coolants/insulators		WTM			1
34883-43-7	PCB-8 [2,4'-dichlorobiphenyl]	Electrical equipment coolants/insulators		WTM			1
7664-41-7	Ammonia	Fertilizer/Intermediate for Dyes		WQS, GW		HHW	3
<b>Legacy Pesticides</b>							
60-57-1	Dieldrin	Legacy Organochlorine Insecticide		WQS, WTM, DWP, CRT-T3		Cleanup	5
50-29-3	DDT (and metabolites - as a group)	Legacy Organochlorine Insecticide		WQS, CR-T1		Cleanup, HHW	4 (total)
72-54-8	4,4'-DDD	Legacy Organochlorine Insecticide		P3, WTM			2
3424-82-6	2,4'-DDE	Legacy Organochlorine Insecticide		WTM			1
789-02-6	2,4'-DDT	Legacy Organochlorine Insecticide		WTM			1
72-55-9	4,4'-DDE	Legacy Organochlorine Insecticide		WTM			1
50-29-3	4,4'-DDT	Legacy Organochlorine Insecticide		WTM			1
53-19-0	DDD, 2,4'-	Legacy Organochlorine Insecticide		WTM			1
57-74-9	Chlordane (and metabolites - as a group)	Legacy Organochlorine Insecticide		WQS		Cleanup	4 (total)
57-74-9	alpha-Chlordane	Legacy Organochlorine Insecticide		WTM			1
5103-71-9	Chlordane, cis-	Legacy Organochlorine Insecticide		P3			1
5103-74-2	Chlordane, trans-	Legacy Organochlorine Insecticide		P3			1
5103-73-1	Cis-Nonachlor	Legacy Organochlorine Insecticide		WTM			1
27304-13-8	Oxychlordane	Legacy Organochlorine Insecticide		WTM			1
39765-80-5	Trans-Nonachlor	Legacy Organochlorine Insecticide		WTM			1
319-84-6	Hexachlorocyclohexane, alpha- (alpha-BHC)	Legacy Organochlorine Insecticide		P3, WQS, GW		Cleanup (all HCH isomers)	4
309-00-2	Aldrin	Legacy Organochlorine Insecticide		WQS, WTM		Cleanup	3
76-44-8	Heptachlor (& Heptachlor epoxide)	Legacy Organochlorine Insecticide		WQS, P3		WMP	3
118-74-1	Hexachlorobenzene	Legacy Organochlorine Fungicide		P3, GW		WMP	3

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319-85-7	Hexachlorocyclohexane, beta- (beta-BHC)	Legacy Organochlorine Insecticide		P3, GW	Cleanup (all HCH isomers)		3
72-43-5	Methoxychlor	Insecticide		GW	HHW, WMP		
<b>Metals</b>							
7439-97-6	Mercury (and methylmercury)	Coal burning, labs, dental amalgam, natural		WQS, CR-T1, P3, WTM, DWP, GW	Cleanup, WMP, HHW	Air Toxics	10
7440-38-2	Arsenic	Insecticide, semiconductors, natural		P3, WQS, WTM, DWP, CR-T2, GW	Cleanup, HHW	Air Toxics	9
7440-43-9	Cadmium	Batteries, pigments, metals industries		P3, WQS, WTM, CR-3	HHW, WMP	Air Toxics	7
18450-29-9	Chromium	Metals industries, leather tanning, pigments		WQS, WTM, CR-T3	Cleanup, HHW, HW	Air Toxics	7
7440-50-8	Copper	Biocide, piping, wiring, electronics, brake pads		WQS, POI, WTM, DWP, CR-T2	Cleanup, HHW		7
7439-92-1	Lead	Batteries, electronics, legacy fuels & paints		P3, WTM, CR-T2	Cleanup, WMP HHW	Air Toxics	7
7440-02-0	Nickel	Batteries, metals industries		WQS, WTM, CR-T3	HHW	Air Toxics	5
7439-96-5	Manganese	Metals industries, pigments		WQS, WTM, GW		Air Toxics	4
7440-22-4	Silver	Photography, silverware, jewelry, electronics		WQS, CR-T3	HHW		3
<b>Volatile Organic Compounds</b>							
127-18-4	Tetrachloroethylene	Drycleaning, degreasing		WQS, WTM, DWP, CR-T3	Cleanup, HHW, WMP	Air Toxics	8
79-01-6	Trichloroethylene	degreasing solvent		WQS, WTM, DWP	Cleanup, WMP, HHW	Air Toxics	7
71-43-2	Benzene	petroleum component, industrial intermediate		WTM, DWP	Cleanup, WMP, HHW	Air Toxics	6
100-41-4	Ethylbenzene	petroleum component, industrial intermediate		WTM, DWP	Cleanup	Air Toxics	4
106-46-7	Dichlorobenzene, 1,4- (Dichlorobenzene-p)	Disinfectant, insecticide, industrial intermediate		CR-T3	HHW	Air Toxics	3
50-00-0	Formaldehyde	Resins, preservative, combustion by-product			HHW, WMP	Air Toxics	3
108-88-3	Toluene	Paints, solvents, petroleum component		WTM, DWP	HHW		3

### (1) DEQ PROGRAM PRIORITIES

#### WATER QUALITY PROGRAM PRIORITY INDEX

**P3** = Chemical on the Interim Final List of Persistent Pollutants developed by DEQ in response to Senate Bill 737 (2007 Legislative Session)

**WQS** = Toxic pollutant on DEQ's list of impaired waters for surface water body(s) in Oregon [303(d) List], or identified in the 2004/2006 Water Quality Assessment Report as "pollutant of concern"

**CR-T1, T2, T3** = Columbia River Basin Toxics Reduction Plan toxics monitoring priority list. T1 = Tier 1 priority pollutant, T2 = Tier 2 priority pollutant, T3 = Tier 3 priority pollutant

**POC** = Designated as a Pesticide of Concern by the Oregon Inter-Agency Water Quality Pesticide Management Team. POCs become subject to agency management actions.

**POI** = Designated as a Pesticide of Interest by the Oregon Inter-Agency Water Quality Pesticide Management Team. POIs are evaluated for possible future designation as a Pesticide of Concern.

**WTM** = Willamette Toxics Monitoring Program Target Analyte List

**DWP** = Drinking Water Source Monitoring Program Contaminant List

**GW** = Groundwater Program Toxics Monitoring Priority Chemicals

#### LAND QUALITY PROGRAM PRIORITY INDEX

**Cleanup** = Toxic chemical, or group of chemicals, recognized by the DEQ Environmental Cleanup Program as one of the top 20 risk drivers for clean up actions in the state

**WMP** = One of 37 toxic pollutants included by EPA's National Waste Minimization Priorities Program, or considered a priority pollutant by the DEQ Hazardous Waste Program

**HHW** = Toxic Substance on ranked in the top by the Household Hazardous Waste Program Prioritization Tool

#### AIR QUALITY PROGRAM PRIORITY INDEX

**Air Toxics** = Toxic pollutant designated by the DEQ Air Quality Division as one of the top 20 risk drivers for ambient air quality impairment