State of Oregon
# Department of Environmental Quality Memorandum

**Date:** August 10, 2010

**To:** Environmental Quality Commission

**From:** Dick Pedersen, Director

**Subject:** Agenda item I, Informational item: DEQ's Toxics Reduction Strategy
August 18-19, 2010 EQC meeting

**Purpose of item**

DEQ will update the commission on the development of the agency-wide toxic chemical and pollutant prevention and reduction strategy and discuss a proposed EQC direction relating to the strategy.

**Why this is important**

Subject to policy direction from the EQC, DEQ is charged with identifying actions to protect public health and the environment. DEQ's strategic directions recognize protecting Oregonians from toxic chemicals and pollutants as one of the department's highest priorities. DEQ believes that a more agency wide coordinated approach will be the most effective and efficient way to address toxic chemicals and pollutants. DEQ continues to work with stakeholders to comprehensively identify those toxic chemicals and pollutants posing the greatest threat to human health and the environment. More work is necessary if the agency is to identify the actions that would best focus prevention and reduction efforts on these prioritized chemicals and pollutants. One of the major challenges has been a lack of reliable information regarding basic properties, sources, potential toxicity and relative exposure in Oregon. In addition, sources of many toxic chemicals and pollutants are diffuse and move between multiple environmental media, making single-program management less effective.

**Background**

In the fall of 2008, DEQ initiated a dialogue around a comprehensive, cross-program approach to preventing and reducing toxic chemicals in Oregon's environment. By considering all environmental media and sources, a comprehensive approach will help fulfill the commission's directive relating to fish consumption, which required DEQ to look beyond point source discharges in addressing toxic chemicals and pollutants.

Beginning in early 2009, DEQ established a framework for developing an agency-wide strategy. An initial list of 52 priority chemicals or classes of chemicals was developed using existing priority lists; the selection of a chemical was based on its importance to multiple

department or inter-agency programs. With this focus list, DEQ has identified for the first time those toxic chemicals and pollutants that are truly cross-program in nature and are not efficiently or effectively dealt with through individual programs.

The Senate Bill 737 list of priority persistent pollutants informed the development of the focus list of 52. The focus list includes chemicals and pollutants of concern for environmental media other than water and is not limited to those that are persistent or bioaccumulative. Ultimately, both the Senate Bill 737 and initial focus lists will inform the development of the toxics prevention and reduction strategy and how DEQ, along with its partners, addresses those toxic chemicals and pollutants of greatest concern to Oregon's environment and public health.

**Summary of tasks and informational item outcomes**

While the commission has expressed support for a comprehensive approach to toxics prevention and reduction, it has not yet provided direction to DEQ regarding an agency-wide strategy. As a result, DEQ has initiated discussions about the necessity for formal direction from the commission supporting an agency-wide toxics prevention and reduction strategy, outlining the commission's expectations on appropriate steps and outcomes, providing transparency to stakeholders and ensuring accountability from DEQ.

DEQ will continue to engage stakeholders over the next several months regarding the scope and elements of the toxics reduction strategy leading to consideration for formal action by the commission at an upcoming meeting.

During this informational item, DEQ will:

- Discuss the compilation of data and information on focus list chemicals and pollutants, including the sources and pathways to human health and the environment;
- Describe how DEQ is reviewing current agency programs to determine their effectiveness in addressing focus list chemicals and pollutants and to assess whether the programs have adequate tools and resources;
- Discuss how prevention and reduction actions for focus list chemicals and pollutants will be evaluated; and
- Describe the process for bringing an action item to the commission.

**Attachments**

A. Focus list of toxics

Approved:

Division: _____

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# Draft DEQ Priority Toxics Focus List (10/01/09)

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

# Draft DEQ Priority Toxics Focus List (10/01/09)

| | | | | DEQ PROGRAM PRIORITIES [1] | | | | | Number of Program Priorities |
|---|---|---|---|---|---|---|---|---|---|
| CASRN | Chemical Name | Known Uses/Sources | D | WATER QUALITY | D | LAND QUALITY | D | 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 |
| | **Current Use Pesticides** | | | | | | | | |
| 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 |
| 72-43-5 | Methoxychlor | Insecticide | | GW | | HHW, WMP | | | 3 |
| 114-26-1 | Propoxur (Baygon) | Insecticide | | DWP, GW | | HHW | | | 3 |
| | **Flame Retardants** | | | | | | | | |
| N/A | Polybrominated Diphenyl Ethers (PBDEs) - as a group | Brominated Flame Retardant | | CR-T1, DWP | | Cleanup | | | 5 (total) |
| 5436-43-1 | *PBDE-047 [2,2',4,4'-Tetrabromodiphenyl ether]* | *Brrominated Flame Retardant* | | *P3* | | *WTM* | | | *2* |
| 60348-60-9 | *PBDE-099 [2,2',4,4',5-Pentabromodiphenyl ether]* | *Brrominated Flame Retardant* | | *P3* | | *WTM* | | | *2* |
| 189084-64-8 | *PBDE-100 [2,2',4,4',6-Pentabromodiphenyl ether]* | *Brrominated Flame Retardant* | | *P3* | | *WTM* | | | *2* |
| 68631-49-2 | *PBDE-153 [2,2',4,4',5,5'-hexabromodiphenyl ether]* | *Brrominated Flame Retardant* | | *P3* | | *WTM* | | | *2* |
| 1163-19-5 | *PBDE-209 [decabromodiphenyl ether]* | *Brrominated Flame Retardant* | | *P3* | | *WTM* | | | *2* |
| 36483-60-0 | *PBDE-138 [2,2',3,4,4',5'-Hexabromodiphenyl ether]* | *Brrominated Flame Retardant* | | | | *WTM* | | | *1* |
| 36483-60-0 | *PBDE-154 [2,2',4,4',5,6'-Hexabromodiphenyl ether]* | *Brrominated Flame Retardant* | | | | *WTM* | | | *1* |
| 68928-80-3 | *PBDE-185 [2,2',3,4,4',5',6-Heptabromodiphenyl ethe* | *Brrominated Flame Retardant* | | | | *WTM* | | | *1* |
| 40088-47-9 | *PBDE-66 [2,3',4,4'-Tetrabromodiphenyl ether]* | *Brrominated Flame Retardant* | | | | *WTM* | | | *1* |
| 32534-81-9 | *PBDE-85 [2,2,3,4,4-Pentabromodiphenyl ether]* | *Brrominated Flame Retardant* | | | | *WTM* | | | *1* |
| | **Industrial Chemicals or Intermediates** | | | | | | | | |
| N/A | Polychlorinated Biphenyls (PCBs) | Electrical equipment coolants/insulators | | WQS, CR-T1, WTM | | Cleanup, HHW, WMP | | | 7 (total) |
| 7012-37-5 | *PCB-028 [2,4,4'-trichlorobiphenyl]* | *Electrical equipment coolants/insulators* | | *P3, WTM* | | | | | *2* |
| 35693-99-3 | *PCB-052 [2,2',5,5'-tetrachlorobiphenyl]* | *Electrical equipment coolants/insulators* | | *P3, WTM* | | | | | *2* |
| 32598-13-3 | *PCB-077 [3,3',4,4'-tetrachlorobiphenyl]* | *Electrical equipment coolants/insulators* | | *P3, WTM* | | | | | *2* |
| 37680-73-2 | *PCB-101 [2,2',4,5,5'-pentachlorobiphenyl]* | *Electrical equipment coolants/insulators* | | *P3, WTM* | | | | | *2* |
| 32598-14-4 | *PCB-105 [2,3,3',4,4'-pentachlorobiphenyl]* | *Electrical equipment coolants/insulators* | | *P3, WTM* | | | | | *2* |
| 31508-00-6 | *PCB-118 [2,3',4,4',5-pentachlorobiphenyl]* | *Electrical equipment coolants/insulators* | | *P3, WTM* | | | | | *2* |
| 57465-28-8 | *PCB-126 [3,3',4,4',5-pentachlorobiphenyl]* | *Electrical equipment coolants/insulators* | | *P3, WTM* | | | | | *2* |
| 35065-28-2 | *PCB-138 [2,2',3,4,4',5'-hexachlorobiphenyl]* | *Electrical equipment coolants/insulators* | | *P3, WTM* | | | | | *2* |

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| | | | | DEQ PROGRAM PRIORITIES [1] | | | | | Number of Program Priorities |
|---|---|---|---|---|---|---|---|---|---|
| CASRN | Chemical Name | Known Uses/Sources | D | WATER QUALITY | D | LAND QUALITY | D | AIR QUALITY | |
| 35065-27-1 | *PCB-153 [2,2',4,4',5,5'-hexachlorobiphenyl]* | *Electrical equipment coolants/insulators* | | *P3, WTM* | | | | | *2* |
| 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 |
| | **Legacy Pesticides** | | | | | | | | |
| 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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| | | | | DEQ PROGRAM PRIORITIES [1] | | | | | Number of Program Priorities |
|---|---|---|---|---|---|---|---|---|---|
| CASRN | Chemical Name | Known Uses/Sources | D | WATER QUALITY | D | LAND QUALITY | D | AIR QUALITY | |
| 319-85-7 | Hexachlorocyclohexane, beta- (beta-BHC) | Legacy Organochlorine Insecticide | | P3, GW | | Cleanup (all HCH isomers) | | | 3 |
| 95-95-4 | Trichlorophenol, 2,4,5- (2,4,5-T) | Legacy Organochlorine Herbicide | | P3, GW | | WMP | | | 3 |
| | **Metals** | | | | | | | | |
| 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 indisutries | | 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 |
| | **Volatile Organic Compounds** | | | | | | | | |
| 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 | petroluem component, industrial intermediate | | WTM, DWP | | Cleanup, WMP, HHW | | Air Toxics | 6 |
| 100-41-4 | Ethylbenzene | petroluem component, industrial intermediate | | WTM, DWP | | Cleanup | | Air Toxics | 4 |
| 106-46-7 | Dichlorobenzene, 1,4- (Dichlorobenzene-p) | Disinfectant, insecticide, industrial intermeidate | | 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 on 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