

Appendix A

Chesapeake Bay Watershed Chemicals of Concern - as of September 26, 2000

Many Toxics 2000 Strategy chemical contaminant reduction commitments are directed towards “chemicals of concern” in the Chesapeake Bay watershed. Chemicals of concern include:

- chemical contaminants identified in the *1999 Toxics Characterization* that are at levels that may cause toxic impacts to living resources ,
- chemical contaminants responsible for listing waterbodies as impaired or threatened on the jurisdictions’ 303(d) lists,
- chemical contaminants responsible for finfish and shellfish consumption advisories.

Chemicals of concern include both currently-used chemicals and historically-used chemicals. We recognize that some chemicals are no longer in use and may be more difficult to control, but nonetheless remain a concern because they persist in the environment at levels that pose risks to living resources. We may target additional chemicals of concern for reduction and prevention actions as new data become available from our efforts to characterize toxic impacts and learn more about emerging chemicals of concern.

The current list of chemicals of concern are listed below. Note that not all chemicals are of concern in all areas of the watershed. Therefore, for a given area that is either impacted or at risk, we will focus management efforts on only those chemicals that are of concern in that given area. See the Bay Program and State/District reports for more information on where these chemicals are of concern.

1999 Toxics Characterization chemicals of concern in tidal waters

Arsenic	DDT	Mercury
Cadmium	Dieldrin	Nickel
Chlordane	Kepone	PAHs
Chlorpyrifos	Lead	PCBs
Chromium	Lindane	Zinc
Copper	Malathion	

Fish consumption advisories chemicals of concern in tidal and nontidal waters

Chlordane	Kepone	Dioxin
Mercury	Mirex	PCBs

Maryland impaired tidal and nontidal waterbodies chemicals of concern^A (based on 1996, 1998 303(d) lists)

Arsenic	Copper	Selenium
Cadmium	Cyanide	Silver
Chlordane	Lead	PCBs
Chromium	Nickel	Zinc

District of Columbia impaired and threatened tidal and nontidal waterbodies chemicals of concern (based on 1998 303(d) lists)

Acrolein	3,3-Dichlorobenzidine	Isophorone
Acrylonitrile	Dichloroethylenes	Lead
Aldrin	1,2-Dichloropropane	Mercury
Ammonia	Dichloropropenes	Methyl bromide
Antimony	DDT	Methyl chloride
Arsenic	1,3-Dichloropropylenes	Methylene chloride
Benzene	Dieldrin	Napthalene
Bromoform	2,4-Dimethylphenol	Nickel
Cadmium	2,4-Dinitrotoluene	Nitrobenzene
Carbon Tetrachloride	Dioxin	Nitrophenols
Chlordane	1,2-Diphenylhydrazine	Nitrosamines
Chlorine	Endosulfan	Phenol
Chlorinated benzenes	Endosulfan sulfate	Pentachlorophenol
Chlorobenzene	Endrin	Phtalate esters
Chlorinated ethanes	Endrin aldehyde	PAHs
Chlorinated naphthalene	Ethylbenzene	PCBs
Chlorinated phenols	Halomethanes	Selenium
Chloroalkyl ethers	Heptachlor	Silver
Chlorodibromomethane	Heptachlor epoxide	Thallium
Chloroform	Hexachlorobutadiene	Tetrachloroethylene
Chromium	Hexachlorocyclohexane	Toluene
Copper	Hexachlorocyclopentadiene	Toxaphene
Cyanide	Hexachloroethane	Trichloroethylene
Dichlorobromomethane	Iron	Vinyl chloride
		Zinc

Virginia impaired and threatened tidal and nontidal waterbodies chemicals of concern^B
(based on 1998 303(d) lists)

Antimony	Copper	PCBs
Cadmium	Lead	Silver
Chromium	Mercury	TBT
	Nickel	Zinc

Pennsylvania impaired and threatened nontidal waterbodies chemicals of concern
(based on 1998 303(d) lists)

Metals	Pesticides	PCBs
Other Inorganics	Priority Organics	Mirex
Chlorine		

A=Mercury is omitted from part II of the 1996 sec 303 (d) list because it is being addressed through the permitting process.

B= The following chemicals are omitted from part II of the 1998 sec 303 (d) lists because they are being address through the permitting process: cyanide, toluene, benzene, penatchlorophenol, aldrin, and chlorine.