

US EPA ARCHIVE DOCUMENT

APPENDIX G

OSi Project XL

The EPA has drafted a Prioritized Chemical list of more than 800 chemicals based on the chemicals tendency to persist in the environment once released, their tendency to accumulate in animal tissues and their toxicity. Following is a list of PBT's that was provided by EPA. F-PA staff developed this subset based on OSi's hazardous waste codes from Notification of Hazardous Waste Activity (8/15/80) and revised 9/17/81, 7/30/86, 1/8/91. Many waste codes have several chemicals associated with them. Inclusion of a chemical on this list in no way indicates that that particular chemical is present at the OSi Sistersville facility.

This list of 103 chemicals is to be used only as a reference for assisting the WMPP Study Team in developing the list of significant waste streams to evaluate. Reductions of wastes with constituents on this list will be reported to the EPA.

PBT = Ranking based on Persistence, Bioaccumulation, and Toxicity

Key for PBT Overall Score

High = 15-18

Medium = 10-14

Low = 6-9

CHEMICAL NAMES	PBT OVERALL SCORE
1 Naphtalenamine	10
1,2,4 Trichlorobenzene	12
1,1 Dichloroethylene	7
1,1,1, Trichloroethane	11
1,1,1,2 Tetrachloroethane	12
1,1,2 Trichloro 1,2,2 Triflouroethane	11
1,1,2, Trichloroethane	10
1,1,2,2 Tetrachloroethane	10
1,2 Dichlorobenzene	11
1,2 Dichloroethane	11
1,2 Dichloropropane	9
1,2 Dichloropropanone	9
1,2 Transdichloroethene	9
1,2, Trans - Dichloroethene	9
1,2,4,5 Tetrachlorobenzine	16
1,3 Dichlorobenzene	12
1,4 Dichloro 2 butene	10
1,4 Dioxane	9
2 Chlorophenol	8
2 Cyclohexyl 4,6 dinitrophenol	12
2 Methyl Pyridine	6
2 Nitropropane	7
2, 4 - Di-nitrotoluene	12
Acetone	7
Acetonitrile	7

Acrylonitrile	9
Allyl Alcohol	8
Aniline	10
Antimony	14
Arsenic	13
Barium	14
Benzene	12
Benzotrichloride	13
Benzyl Chloride	10
Beryllium	14
Bis (2 ethyl Hexyl) Phthalate	13
Butyl Alcohol. n	7
Butyl Benzyl Phthalate	11
Cadmium	14
Carbon Disulfide	7
Carbon Tetrachloride	13
Chlorobenzene	10
Chloroform	11
Chloromethane	9
Chromium	13
Chrysene	16
Copper	13
Creosol	10
Creosol, m-	8
Creosol. o	8
Creosol, p	8
Cyanide	9
Cyclohexanone	6
Di - n - ocryl phthalate	11
Dichlorodifluoromethane	9
Diethyl Phthalate	7
Dihydrosafrole	13
Dimethylamine	8
Ethyl Acetate	6
Ethyl benzene	10
Ethyl Ether	8
Ethylene Glycol Ethyl Ether	7
Ethylene Oxide	11
Formaldehyde	9
Isobutyl Alcohol	6
Lead	13
Mercury	18
Methanol	6
Methoxychlor	17
Methyl Chloride	9
Methyl Chlorofomate	7
Methyl Ethyl Ketone	6
Methyl Ethyl Ketone Peroxide	9
Methyl Isobutyl Ketone	7
Methyl Methacrylate	7
Methylene Bromide	9
Methylene Chloride	8
Napthalene	11
Nickel	14

Nitrobenzene	12
Nitroglycerine	10
p - Toluidine	9
Phenol	9
Phthalic Anhydride	9
Polychlorinated Biphenyls	15
Propargyl Alcohol	8
Pyridine 9	9
Safrole	10
Selenium	13
Silver	13
Styrene	10
Tetrachloroethylene	10
Tetrahydrofuran	8
Thallium	14
Toluene	9
Toluene 2,4 Diisocyanate	12
Trichloroethylene	10
Trichloroflouromethane	9
Vanadium	17
Vinyl Chloride	10
Warfarin	11
Xylene	8
Zinc	13