

# Connecticut College Hazardous Waste Determination

Department: \_\_\_\_\_ Generator: \_\_\_\_\_ Date: \_\_\_\_\_

Waste Stream: \_\_\_\_\_ Characterized by: \_\_\_\_\_

To determine if the chemical waste generated is a hazardous waste, answer the following questions. If the answer to any question is yes, then the waste is a hazardous waste. Identify ALL hazards associated with the waste. Information on the waste characteristics (e.g., flash point) may be found on the Material Safety Data Sheet(s) (MSDS) for the waste constituents.

1. Is it <u>virgin</u> chemical, or spill clean up materials of virgin chemicals, <u>and</u> listed as a "P" or "U" chemical, in <u>40 CFR 261.33(e) or (f)</u> ?	If <b>Yes</b> , refer to listed hazard. If <b>No</b> , follow characterization below:			
	<b>Hazardous Waste Code</b>	<b>Yes/No</b>	<b>If "Yes," hazard is:</b>	
2. Is it a liquid with a flash point $\leq 140^{\circ}\text{F}$ (Exception: Aqueous solutions of $< 24\%$ ethyl alcohol.), or a gas or other material capable of causing fire through friction, absorption, moisture, or spontaneous chemical changes?	D001		Ignitable	
3. Is it a flammable solid? (Solid materials capable of combustion resulting from friction, adsorption of moisture or spontaneous changes.)	D001		Ignitable	
4. Is it an oxidizer? (Materials that readily yields oxygen, or accepts electrons, to accelerate combustion.)	D001		Ignitable	
5. Does it have a pH $\leq 2$ or $\geq 12.5$ ?	D002		Corrosive	
6. Is it normally unstable and readily undergoes violent change without detonating, reacts violently, or forms explosive toxic gases or vapors when mixed with water, contains cyanides, sulfides, or explosives, is capable of detonation if heated, or exhibits explosive decomposition or reaction at normal temperature and pressure. (Examples: cyanide or sulfide wastes and peroxides.)	D003		Reactive	
7. Does it contain spent halogenated or non-halogenated compounds? (See "F" list in <u>40 CFR 261.31</u> )	F001 - F005.		Toxic	
8. Does it contain petroleum oil or polychlorinated biphenyls (PCB's)?			Toxic	
9. Does it contain any of the following substances at or above the listed limit? ( <i>TCLP test may be required for determination.</i> )			Toxic	
<b>Metals</b>				
Arsenic 5.0 ppm	D004	Barium 100 ppm		D005
Chromium 5.0 ppm	D007	Lead 5.0 ppm		D008
Selenium 1.0 ppm	D010	Silver 5.0 ppm		D011
<b>Pesticides &amp; Herbicides</b>				
Chlordane 0.03 ppm	D020	Endrin 0.02 ppm		D012
Lindane 0.4 ppm	D013	Methoxychlor 10 ppm		D014
2,4-D 10 ppm	D016	2,4,5-TP (Silvex) 1.0 ppm		D017
<b>Volatile Organic Compounds</b>				
Benzene 0.5 ppm	D018	Carbon tetrachloride 0.5 ppm		D019
Chloroform 6.0 ppm	D022	1,2-Dichloroethane 0.5 ppm		D028
Methyl ethyl ketone 200 ppm	D035	Tetrachloroethylene 0.7 ppm		D039
Vinyl chloride 0.2 ppm	D043			
<b>Semi-Volatile Organic Compounds</b>				
o-Cresol 200 ppm	D023	m-Cresol 200 ppm		D024
Cresol 200 ppm	D026	1,4-Dichlorobenzene 7.5 ppm		D027
Hexachlorobenzene 0.13 ppm	D032	Hexachlorobutadiene 2.0 ppm		D033
Nitrobenzene 2.0 ppm	D036	Pentachlorophenol 100 ppm		D037
2,4,5-Trichlorophenol 400 ppm	D041	2,4,6-Trichlorophenol 2.0 ppm		D042
p-Cresol 200 ppm	D025	2,4-Dinitrotoluene 0.13 ppm	D030	
Hexachloroethane 3.0 ppm	D034	Pyridine 5.0 ppm	D038	

Comments: