

# 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.

Waste Evaluation		Yes/ No	If yes, hazard is:	
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 <b>40 CFR 261.33(e) or (f)</b> ?			If <b>Yes</b> , refer to listed hazard. If <b>No</b> , follow characterization below:	
2. Does it contain flammable solvents? (Flash point $\leq$ 140°F) (Exception: Aqueous solutions of < 24% ethyl alcohol.)	D001		Flammable	
3. Is it a flammable solid? (Solid materials capable of combustion resulting from friction, adsorption of moisture or spontaneous changes.)	D001		Flammable	
4. Is it an oxidizer? (Materials that readily yields oxygen, or accepts electrons, to accelerate combustion.)	D001		Oxidizer	
5. Does it have a pH $\leq$ 2 or $>$ 12.5?	D002		Corrosive	
6. Is it reactive? (Unstable materials. Reacts with water to form potentially explosive mixtures or toxic gases, contains cyanides, sulfides, or explosives.)	D003		Reactive	
7. Does it contain spent halogenated compounds?	F001 - F005. (See list in 40 CFR 261.31)		Toxic	
8. Does it contain petroleum oil, polychlorinated biphenyls (PCB's), or any other <u>Connecticut Regulated Waste</u> ?	CR01 – CRO5		Toxic	
9. Does it contain any of the following substances, at or above the listed limit?			Toxic	
<b>Metals</b>				
Arsenic 5.0 ppm	D004	Barium 100 ppm		D005
Chromium 5.0 ppm	D007	Lead 5 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
<b>Comments:</b>				

## Annual Waste Stream Characterization Review

Date: \_\_\_\_\_ Reviewed by: \_\_\_\_\_  
Comments:

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