



**Division of Surface Water  
Sludge Dioxin, Dibenzofuran and Coplanar PCB Worksheet**

Facility Name and Address:	Laboratory Name and Address:
Facility NPDES Permit No.:	Laboratory Sample No./Date:

<b>2,3,7,8-TCDD TTE</b>	<b>85865</b>	<b>2,3,7,8-TCDD Total Toxicity Equivalence for all dioxins, dibenzofurans, and coplanar PCBs in Part B (ng/kg)</b>	
Additional Remarks:			
I certify under penalty of law that I have personally examined, and am familiar with the information submitted, and based on my inquiry of those individuals immediately responsible for obtaining the information I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			
Date Completed:	Signature and Title:		

**Instructions:**

- (A) Record the concentration of each parameter in nanograms per kilogram (ng/kg).
- (B) The concentration recorded for parameters that are below the detection limit shall be one-half of the detection limit (ng/kg).
- (C) Multiply the concentration by the given TEF and record the answer in the TE column (ng/kg).
- (D) Sum all of the individual TE's. That sum is the 2,3,7,8-TCDD Total Toxicity Equivalence (TTE). Record that value in the appropriate box (ng/kg).
- (E) Report must be signed by the sludge generator's responsible individual (not an employee of the testing laboratory). Call (614) 644-2034 with any questions.

**Abbreviations:**

TCDD = tetrachlorodibenzo-p-dioxin	TCDF = tetrachlorodibenzofuran	TCB = tetrachlorobiphenyl
PeCDD = pentachlorodibenzo-p-dioxin	PeCDF = pentabenzofuran	PeCB = pentachlorobiphenyl
HxCDD = hexachlorodibenzo-p-dioxin	HxCDF = hexachlorodibenzofuran	HxCB = hexachlorobiphenyl
HpCDD = heptachlorodibenzo-p-dioxin	HpCDF = heptachlorodibenzofuran	HpCB = heptachlorobiphenyl
OCDD = octachlorodibenzo-p-dioxin	OCDF = octachlorodibenzofuran	
TEF = Toxicity Equivalence Factor	TE = Toxicity Equivalence	TTE = Total Toxicity Equivalence

**Sludge Dioxin, Dibenzofuran and Coplanar PCB Worksheet (continued)**

Parameter	MOR Reporting Code	Concentration (ng/kg)	TEF	TE (ng/kg)
Total TCDD	85827			
Total PeCDD	85828			
Total HxCDD	85829			
Total HpCDD	85830			
Total TCDF	85832			
Total PeCDF	85833			
Total HxCDF	85834			
Total HpCDF	85835			
2,3,7,8-TCDD	85837		1	
2,3,7,8-TCDF	85838		0.1	
1,2,3,7,8-PeCDD	85839		0.5	
1,2,3,7,8-PeCDF	85840		0.05	
2,3,4,7,8-PeCDF	85841		0.5	
1,2,3,4,7,8-HxCDD	85842		0.1	
1,2,3,6,7,8-HxCDD	85843		0.1	
1,2,3,7,8,9-HxCDD	85844		0.1	
1,2,3,4,7,8-HxCDF	85845		0.1	
1,2,3,6,7,8-HxCDF	85846		0.1	
1,2,3,7,8,9-HxCDF	85847		0.1	
2,3,4,6,7,8-HxCDF	85848		0.1	
1,2,3,4,6,7,8-HpCDD	85849		0.01	
1,2,3,4,6,7,8-HpCDF	85850		0.01	
1,2,3,4,7,8,9-HpCDF	85851		0.01	
OCDD	85831		0.001	
OCDF	85836		0.001	
3,3',4,4'-TCB	85852		0.0001	
3,4,4',5-TCB	85853		0.0001	
3,3',4,4',5-PeCB	85854		0.1	
2,3,3',4,4'-PeCB	85855		0.0001	
2,3',4,4',5-PeCB	85856		0.0001	
2',3,4,4',5-PeCB	85857		0.0001	
2,3,4,4',5-PeCB	85858		0.0005	
3,3',4,4',5,5'-HxCB	85859		0.01	
2,3,3',4,4',5-HxCB	85860		0.0005	
2,3,3',4,4',5'-HxCB	85861		0.0005	
2,3',4,4',5,5'-HxCB	85862		0.00001	
2,3,3',4,4',5,5'-HpCB	85864		0.0001	
2,3,7,8-TCDD TTE	85865			