



# City of Springfield, Missouri Baseline Monitoring Report For Metal Finishing Facilities

## A. GENERATOR INFORMATION

Company Name	
Company Mailing Address/ P.O. Box	
Company City & State	Zip Code
Premise Address	
Premise City & State	Zip Code
Name & Title of Signatory Official	
Telephone No.	Email Address
Alternate Contact Name (if any)	
Telephone No.	Email Address
Check One Existing Discharge <input type="checkbox"/> Proposed Discharge <input type="checkbox"/>	If Proposed, date of anticipated discharge

## B. CATEGORY DETERMINATION

Please check any and all of the following unit operations which are conducted at your facility. Provide a brief description of those operations in the space provided

- | <u>Process</u>  | <u>Brief Description</u> |
|---|--------------------------|
| <input type="checkbox"/> <b>Electroplating</b>  |                          |
| <input type="checkbox"/> <b>Electroless Plating</b>   |                          |
| <input type="checkbox"/> <b>Anodizing</b>   |                          |
| <input type="checkbox"/> <b>Coating</b> (phosphatizing, chromating, etc.)                                     |                          |
| <input type="checkbox"/> <b>Chemical Etching and Milling</b><br>(includes caustic cleaning and acid cleaning) |                          |
| <input type="checkbox"/> <b>Printed Circuit Board Mfg.</b>  |                          |
| <input type="checkbox"/> <b>None of the Above</b>   |                          |

If you checked “None of the Above” on the previous page, your facility is not regulated by the Federal Metal Finishing regulations. Your exemption claim will be verified by facility inspection conducted by staff from the City of Springfield, the Missouri Department of Natural Resources, or by the US Environmental Protection Agency (EPA).

If you believe your facility is exempt from Federal Metal Finishing regulations, but may be regulated by another Federal Categorical Regulation, please indicate the category below.

\*If you checked “None of the Above” on the previous page, you do not need to fully complete the Baseline Monitoring Report. Please proceed directly to Page 5 of this document.

**C. NON EXEMPT FACILITIES**

If you did not check “None of the Above” on the previous page, please continue below. Please list when your facility began operations, or when operations are planned to begin:

Date facility began operation, or plans to begin operation:

**D. FLOW MEASUREMENT INFORMATION**

Description of <b>regulated</b> wastewater flow	Average Daily Flow (Gallons per day)	Max. Daily Flow (Gallons Per Day)	Does the wastewater receive pretreatment? (Yes/No)
Description of <b>unregulated</b> wastewater flow from other areas of your facility	Average Daily Flow (Gallons per day)	Max. Daily Flow (Gallons Per Day)	Does the wastewater receive pretreatment? (Yes/No)

## E. PRODUCTION INFORMATION

Please provide a brief description of your operations from raw materials to finished product.

## F. TOTAL TOXIC ORGANICS

Discharges subject to Metal Finishing (40 CFR 433) regulations are regulated for Total Toxic Organics (TTO). Your facility must periodically monitor your regulated wastewater to show compliance with TTO limits. The EPA will allow dischargers subject to these regulations to provide the City of Springfield with a list of TTO compounds stored or used at the facility to reduce the number of parameters which must be monitored. The wastewater generating facility may also submit a Toxic Organic Management Plan (TOMP) to the City of Springfield, which if approved, will allow the wastewater generating facility to certify that TTO compounds have not been discharged, in lieu of TTO self monitoring. The City of Springfield can provide your facility with guidelines for completing a TOMP upon request. \*\*List of TTO compounds is located in Appendix A of this document.

Please check the following boxes that apply:

		Date
<input type="checkbox"/>	TTO compounds are stored and/or used at this facility. A TOMP was submitted to the City on	
<input type="checkbox"/>	No TTO compounds are stored or used at this facility. A TOMP was submitted to the City on	
<input type="checkbox"/>	This company will perform self monitoring for TTO (check one of the boxes below)	
<input type="checkbox"/>	Monitoring will be for the entire list of 111 regulated TTO compounds as listed in Appendix A of this document.	
<input type="checkbox"/>	Monitoring will be conducted for TTO compounds expected to be present in wastewater, as listed below. It is understood that the City of Springfield may expand the self monitoring TTO parameters in the future.	

TTO Compounds Stored or Used at this facility  
(attach additional pages if necessary)

Is this compound expected to be present  
in the wastewater from this facility?


## G. MEASUREMENT OF POLLUTANTS

The daily maximum and average concentrations of all regulated pollutants in all regulated wastewater streams described in Section D must be provided with the BMR<sup>1</sup>. The wastewater must be sampled and analyzed by 40 CFR 136 approved testing methods. Copies of the wastewater analysis must be attached to this BMR when submitted to the City of Springfield. The sample results must indicate the test method used for each parameter.

Representative samples will consist of a grab sample for pH, cyanide, and volatile organics. All other regulated pollutants must be obtained through composite samples, flow proportioned where feasible. Historical data may be used if it can still be considered representative for the current discharge. For new sources only, estimates of pollutant values are allowed. However, within 90 days of commencement of discharge, the new source discharger must submit a 90 day compliance report to the City of Springfield on an additional BMR form.

Pollutant	Sample Result (mg/L)	Limits- Daily Max / Monthly Avg. (mg/L)
Arsenic		0.85 / 0.85 <sup>2</sup>
Cadmium		0.11 / 0.07
Chromium		2.77 / 1.71
Copper		1.89 / 1.89
Lead		0.69 / 0.43
Mercury		0.05 / 0.05 <sup>2</sup>
Nickel		3.98 / 2.38
Silver		0.43 / 0.24
Zinc		2.61 / 1.48
Cyanide		0.33 / 0.33 <sup>2</sup>
Volatile Organics <sup>3</sup>		
TTO <sup>3</sup>		

Notes

- 1- Dioxin may be screened, rather than specifically analyzed as long as the discharger attaches a statement certifying that the facility neither stores, uses, or manufactures dioxin.
- 2- Local pollutant limit
- 3- See Appendix A for pollutant list of TTO & volatile organic parameters

## H. CERTIFICATION

I hereby certify that dilution is not being used in lieu of treatment to meet the Federal Categorical Pretreatment Standards: Check one  Yes  No

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*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

*All samples and measurements taken are to the best of my knowledge representative of the permitted wastewater discharge.*

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Date: \_\_\_\_\_

Sign Name: \_\_\_\_\_

Print Name: \_\_\_\_\_

Job Title: \_\_\_\_\_

## **Appendix A- TOTAL TOXIC ORGANIC (TTO) POLLUTANTS**

### **METHOD 624 VOLATILE COMPOUNDS**

Acrolein  
Acrylonitrile [2-propenenitrile]  
Benzene  
Bromoform [tribromomethane]  
Carbon tetrachloride [tetrachloromethane]  
Chlorobenzene  
Chlorodibromomethane  
Chloroethane  
2-Chloroethyl vinyl ether (mixed)  
Chloroform [trichloromethane]  
1,2-Dichlorobenzene  
1,3-Dichlorobenzene  
1,4-Dichlorobenzene  
Dichlorobromomethane  
1,1-Dichloroethane  
1,2-Dichloroethane  
1,1-Dichloroethylene  
1,2-Dichloropropane  
1,3-Dichloropropylene [1,3-dichloropropene]  
1,2-*trans*-Dichloroethylene [1,2-*trans*-dichloroethene]  
Ethylbenzene  
Methyl bromide [bromomethane]  
Methyl chloride [chloromethane]  
Methylene chloride [dichloromethane]  
Styrene  
1,1,2,2-Tetrachloroethane  
Tetrachloroethylene [perchloroethylene, tetrachloroethene]  
Toluene  
1,1,1-Trichloroethane  
1,1,2-Trichloroethane  
Trichloroethylene [Trichloroethene]  
Vinyl chloride [Chloroethylene]

### **METHOD 625 BASE/NEUTRAL COMPOUNDS**

Acenaphthene  
Acenaphthylene  
Anthracene  
1,2-Benzanthracene [benzo(a)anthracene]  
Benzidine  
3,4-Benzofluoranthene [benzo(b)fluoranthene]  
11,12-Benzofluoranthene [benzo(k)fluoranthene]  
1,12-Benzoperylene [benzo(g,h,i)perylene]  
3,4-Benzopyrene [benzo(a)pyrene]

## Appendix A- Continued

bis(2-Chloroethoxy) methane  
bis(2-Chloroethyl) ether  
bis(2-Chloroisopropyl) ether  
bis(2-Ethylhexyl) phthalate  
4-Bromophenyl phenyl ether  
Butyl benzyl phthalate  
4-Chloro-3-methylphenol [*para*-chloro-*meta*-cresol]  
2-Chloronaphthalene  
2-Chlorophenol  
4-Chlorophenyl phenyl ether  
Chrysene  
1,2,5,6-Dibenzanthracene [dibenzo(a,h)anthracene]  
3,3'-Dichlorobenzidine  
2,4-Dichlorophenol  
Diethyl phthalate  
2,4-Dimethylphenol  
Dimethyl phthalate  
Di-n-butyl phthalate  
4,6-Dinitro-*ortho*-cresol [4,6-dinitro-2-methylphenol]  
2,4-Dinitrophenol  
2,4-Dinitrotoluene  
2,6-Dinitrotoluene  
Di-n-octyl phthalate  
1,2-Diphenylhydrazine  
Fluoranthene  
Fluorene  
Hexachlorobenzene  
Hexachlorobutadiene  
Hexachlorocyclopentadiene  
Hexachloroethane  
Indeno(1,2,3-c,d)Pyrene [2,3-*o*-phenylene pyrene]  
Isophorone  
Naphthalene  
Nitrobenzene  
2-Nitrophenol  
4-Nitrophenol  
N-Nitrosodimethylamine  
N-Nitroso-di-n-propylamine  
N-Nitrosodiphenylamine  
Pentachlorophenol  
Phenanthrene  
Pyrene  
1,2,4-Trichlorobenzene  
2,4,6-Trichlorophenol

## **METHOD 608 PESTICIDES & PCBs**

Aldrin

Alpha-BHC

Alpha-endosulfan

Beta-BHC

Beta-endosulfan

Chlordane (technical mixture and metabolites)

4,4'-DDD [p,p'-TDE]

4,4'-DDT [p,p'-DDT]

Delta-BHC

Endosulfan sulfate

Endrin

Endrin aldehyde

Gamma-BHC [lindane]

Heptachlor

Heptachlor epoxide

Toxaphene