

**City of Memphis, Division of Public Works, Environmental
Industrial Wastewater Discharge Permit Application**

This completed form can be either hand delivered or mailed to: “Industrial Monitoring & Pretreatment Program, City of Memphis, Division of Public Works, 2865 Frayser Blvd, Memphis, TN 38127”

SECTION 1.0 – GENERAL INFORMATION

1.1 Company Name: _____

1.1.1 Facility (Industrial User) Name: _____

1.1.2 Corporate Owner Name, if different: _____

1.2 Facility Physical (Premise) Address/Location:

Street: _____

City: _____ State: _____ Zip Code: _____

1.3 Business Mailing Address:

Street or P.O. Box: _____

City, State, Zip Code: _____

1.4 Corporate Address:

Street or P.O. Box: _____

City, State, Zip Code: _____

1.4 Designated Signing Official (Authorized Representative):

Name: _____ Title: _____

Phone Number: _____ Fax No. _____

E-Mail Address: _____

1.5 Designated Facility Contact:

Name: _____ Title: _____

Phone No. _____ Fax No. _____

Email Address: _____

SECTION 2.0 – BUSINESS ACTIVITIES

2.1 Please provide detailed narrative descriptions of all operations and/or processes at your facility (i.e., chemical processing, formulating, manufacturing, assembling, warehousing, distribution, services, hospital, metal finishing, bio-fuels, food processing, grain milling, textile mill, waste treatment, etc., attach additional sheets if necessary):

2.2 All Standard Industrial Classification (SIC) Codes that apply to your facility in descending order of importance:

a. _____ b. _____ c. _____ d. _____ e. _____
 f. _____ g. _____ h. _____ i. _____ j. _____

2.3 Normal days and hours of operations:

OPERATION HOURS	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.
1st Shift Start							
1st Shift Ends							
2nd Shift Starts							
2nd Shift Ends							
3rd Shift Starts							
3rd Shift Ends							

Days of operation or production per year: _____

Date facility began operations: _____

If new facility, date of expected startup: _____

Descriptions of any operational variances and/or scheduled shut downs (Narrative):

2.4 Numbers of Employees per Shift:

EMPLOYEES	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.
1 st Shift							
2 nd Shift							
3 rd Shift							

SECTION 3.0 – WATER SUPPLY

Estimated or known water use from various sources in **Thousands of Gallons per Year:**

Public water supply (i.e., MLGW): _____

Private well: _____

Surface water: _____ Other source (specify): _____

MLGW Account Nos.: _____

SECTION 4.0 – WATER USE

Estimated or known daily water consumption in **Gallons per Day:**

WATER USE	Daily Average [gals./day]	Daily Maximum [gals./day]
Process (industrial)		
Non-Contact Cooling		
Equipment/Facility Wash-Down		
Boiler Feed		
Air Pollution Control		
Use in Product		
Domestic and Sanitary		
Irrigation		
Other (specify)		
TOTAL WATER USE		

If your facility has more than one wastewater discharge point, please attach explanations of where each of the above used water discharges to at your facility.

SECTION 6.0 – SERVICES

6.1 Descriptions of Services Provided:

6.2 Services Volume Rate:

Service Description	Average Volume (include units)	Maximum Volume (include units)

SECTION 7.0 – WASTEWATER DISCHARGE INFORMATION

7.1 Wastewater Discharge Current Status:

Is the facility currently connected to the City of Memphis sewer system? (circle) YES or NO

If “NO,” then has your facility applied for a sewer connection? (circle) YES or NO

Is your facility a new business? (circle) YES or NO

If “YES,” then will your facility be occupying an existing building? (circle) YES or NO

If “NO,” then are you currently constructing a new facility? (circle) YES or NO

If “YES,” then are you planning for your facility to have sewer connection?
(circle) YES or NO

7.2 Existing Sewer Discharge and Monitoring Locations (This section must be completed)

7.2.1 Sewer Discharge Locations

List the Discharge Location (i.e., Point) numbers (arbitrary numbering), size, outfall location description, and flows for each existing sewer discharge locations at your facility (If necessary, please attach sheets with additional information). If your facility collects and discharges rain water this must be included for a 25 year rain event. Include this on a separate line as rainwater discharge based upon a 25 year rain event.

Dis-charge Point No.	Sewer Size [in.]	Wastewater Discharge (i.e., Outfall) Location Description	Avg. Flow [gals./day]	Max. Flow [gals./day]

Please attach site plans and diagrams showing both the domestic sanitary sewage, other non-process, and process discharge lines that are connected to each of the outfalls listed above and the sewer line locations from the outfall(s) to the facility property lines.

You must submit a written request to the City of Memphis Sewer Design Department (901-636-6725) for a determination letter from as to whether the sewer lines servicing your facility can accommodate the Maximum Flows you indicated below, and you must attach a copy of the written request to your application. Please be aware that it could take 60 days or more to receive

a determination letter, which is required for new and renewed permits. Note that the Engineering Division can provide to you the sewer line sizes (901-636-6725).

7.2.2 Industrial Wastewater Monitoring Locations

List the wastewater Monitoring (or Sampling) Location numbers (arbitrary numbering), location descriptions, name of processes being monitored, and flows for process discharges at your facility (If necessary, please attach sheets with additional information).

Monitoring Location No.	Wastewater Monitoring Location Description with Names of Processes, any Pretreatment that is Being Monitored, and <u>Whether Batch or Continuous Discharge</u>	Avg. Flow [gals./day]	Max. Flow [gals./day]

Please attach site plans and diagrams showing process discharge lines that discharge to the monitoring locations listed above, and the discharge locations of any non-process wastewaters relative to the these monitoring locations (i.e., whether upstream or downstream of the monitoring locations). Non-process wastewater could include; domestic-sanitary discharges, non-contact cooling water, boiler blow-down, condensate, and/or storm water. We want to know what discharges to each monitoring location, so we could determine how to regulate discharges at each monitoring location.

7.3 USEPA Clean Water Act, 40 CFR Subchapter N Categorical Industrial Activities

In 40 Code of Federal Regulations (CFR) Subchapter N are effluent guidelines and standards for various categories of industrial activities. Below, please place an “X” by all industrial categorical activities that could possibly apply to your facility:

- Part 405 Dairy Products Processing
- Part 406 Grain Mills
- Part 407 Canned and Preserved Fruits and Vegetables Processing
- Part 408 Canned and Preserved Seafood Processing
- Part 409 Sugar Processing
- Part 410 Textile Mills
- Part 411 Cement Manufacturing
- Part 412 Concentrated Animal Feeding Operations
- Part 413 Electroplating
- Part 414 Organic Chemicals, Plastics, and Synthetics
- Part 415 Inorganic Chemicals Manufacturing
- Part 417 Soap and Detergent Manufacturing
- Part 418 Fertilizer Manufacturing
- Part 419 Petroleum Refining
- Part 420 Iron and Steel Manufacturing
- Part 421 Nonferrous Metals Manufacturing
- Part 422 Phosphate Manufacturing
- Part 423 Steam Electric Power Generating
- Part 424 Ferroalloy Manufacturing
- Part 425 Leather Tanning and Finishing
- Part 426 Glass Manufacturing
- Part 427 Asbestos Manufacturing
- Part 428 Rubber Manufacturing
- Part 429 Timber Products Processing
- Part 430 Pulp, Paper, and Paperboard
- Part 432 Meat and Poultry Products

(Continued on next page)

- Part 433 Metal Finishing
- Part 434 Coal Mining
- Part 435 Oil and Gas Extraction
- Part 436 Mineral Mining and Processing
- Part 437 Centralized Waste Treatment
- Part 438 Metal Products and Machinery
- Part 439 Pharmaceutical Manufacturing
- Part 440 Ore Mining and Dressing
- Part 442 Transportation Equipment Cleaning
- Part 443 Paving and Roofing Materials
- Part 444 Waste Combustors
- Part 445 Landfills
- Part 446 Paint Formulating
- Part 447 Ink Formulating
- Part 450 Construction and Development
- Part 451 Concentrated Aquatic Animal Production
- Part 454 Gum and Wood Chemicals Manufacturing
- Part 455 Pesticide Chemicals
- Part 457 Explosive Manufacturing
- Part 458 Carbon Black Manufacturing
- Part 459 Photographic
- Part 460 Hospital
- Part 461 Battery Manufacturing
- Part 463 Plastic Molding and Casting
- Part 464 Metal Molding and Casting
- Part 465 Coil Coating
- Part 466 Porcelain Enameling
- Part 467 Aluminum Forming
- Part 468 Copper Forming
- Part 469 Electrical and Electronic Components
- Part 471 Nonferrous Metal Forming and Metal Powders

Please provide detailed descriptions of the industrial processes or activities that would or could possibly be covered under the standard category or categories checked above (attach additional sheets if necessary):

7.4 Conventional Pollutants (This section must be completed)

Please provide estimated or known maximum daily average concentrations and maximum monthly average daily concentrations of conventional pollutants that your facility would be discharging to the sewer system.

Conventional Pollutant	Maximum Daily Avg. Concentration [mg/L]	Maximum Monthly Daily Avg. Concentration [mg/L]
Biological Oxygen Demand [BOD]		
Total Suspended Solids [TSS]		
Oil & Grease [O&G]		
Ammonia as Nitrogen [NH ₃ -N]		

Please indicate the estimated or known range of pH in wastewater sewer discharged from your facility:

Minimum pH of _____ Average pH of _____ Maximum pH of _____

If the pH range is less than 5.5 and/or greater than 10.0, then explain why: _____

Does your facility have wastewater pH neutralization pretreatment? (circle) YES or NO

If “YES”, then please provide written descriptions of what process discharges are pH neutralized, location of the pretreatment system, which discharge location receives pretreated wastewater, which monitoring locations are used to monitor for pH levels. Please provide process diagrams for the pH neutralization processes and plan map showing the locations of the pretreatment systems relative to the industrial processes, the discharge locations, and the monitoring locations.

7.5 Sewer Discharge of Other Pollutants

Place an “X” in the appropriate box or boxes to indicate whether the pollutant is *Known Absent*, *Suspected Absent*, *Suspected Present*, or *Known Present*. If *Suspected Present*, then provide an estimate the suspected average concentration in discharge. If *Known Present*, then provide either an estimate or actual known average concentration in discharge.

7.5.1 Sewer Discharge of Priority Pollutants (This section must be completed)

Priority Pollutant	Known Absent	Suspected Absent	Suspected Present	Known Present	Average Concentration [mg/L]
Antimony					
Arsenic					
Asbestos					
Beryllium					
Cadmium					
Chromium					
Copper					
Cyanide					
Lead					
Mercury					
Nickel					
Selenium					
Silver					
Thallium					
Zinc					
Phenol(s)					
Phenol, 2-chloro					
Phenol, 2,4-dichloro					
Phenol, 2,4,6-trichloro					
Phenol, pentachloro					
Phenol, 2-nitro					
Phenol, 4-nitro					
Phenol, 2,4-dinitro					
Phenol, 2,4-dimethyl					
m-Cresol, p-chloro					
o-Cresol, 4,6-dinitro					
Benzene					
Benzene, chloro					
Benzene, 1,2-dichloro					
Benzene, 1,3-dichloro					
Benzene, 1,4-dichloro					
Benzene, 1,2,4-trichloro					
(Continued on next page)					

Priority Pollutant	Known Absent	Suspected Absent	Suspected Present	Known Present	Average Concentration [mg/L]
Benzene, hexachloro					
Benzene, ethyl					
Benzene, nitro					
Toluene					
Toluene, 2,4-dinitro					
Toluene, 2,6-dinitro					
PCB-1016					
PCB-1221					
PCB-1232					
PCB-1242					
PCB-1254					
PCB-1260					
2-Chloronaphthalene					
Ether, bis(chloromethyl)					
Ether, bis(2-chloromethyl)					
Ether, bis(2-chlorosopropyl)					
Ether, 2-chloroethyl vinyl					
Ether, 4-bromophenyl phenyl					
Ether, 4-chlorophenyl phenyl					
Bis(2-chloroethoxy) methane					
Nitrosoamine, diemethyl					
Nitrosoamine, diphenyl					
Nitrosoamine, di-n-propyl					
Benzidine					
Benzidine, 3,3'-dichloro					
Hydrazine, 1,2-diphenyl					
Acrylonitrile					
Methane, bromo-					
Methane, chloro-					
Methane, dichloro					
Methane, chlorobromo					
Methane, dichlorobromo					
Methane, tribromo					
Methane, trichloro					
Methane, tetrachloro [CTC]					
Methane, trichlorofluoro					
Methane, dichlorofluoro					
Ethane, 1,1,-dichloro					
Ethane, 1,2-dichloro					
Ethane, 1,1,1-trichloro [1,1,1-TCA]					
Ethane, 1,1,2-trichloro					
(Continued on next page)					

Priority Pollutant	Known Absent	Suspected Absent	Suspected Present	Known Present	Average Concentration [mg/L]
Ethane, 1,1,2,1-tetrachloro					
Ethane, hexachloro					
Ethene, chloro					
Ethene, 1,1-dichloro					
Ethene, trans-dichloro					
Ethene, trichloro [TCE]					
Ethene, tetrachloro [PCE]					
Propane, 1,2-dichloro					
Propane, 2,4-dichloro					
Butadiene, hexachloro					
Cyclopentadiene, hexachloro					
Phthalate, di-c-methyl					
Phthalate, di-n-ethyl					
Phthalate, di-n-butyl					
Phthalate, di-n-octyl					
Phthalate, bis(2-ethylhexyl)					
Phthalate, butyl benzyl					
Acenaphthene					
Acenaphthylene					
Anthracene					
Benzo (a) anthracene					
Benzo (b) fluoranthene					
Benzo (k) fluoranthene					
Benzo (ghi) perylene					
Chrysene					
Dibenzo (a,n) anthracene					
Fluoranthene					
Fluorene					
Indeno (1,2,3-ed) pyrene					
Naphthalene					
Phenanthrene					
Pyrene					
Acrolein					
Aldrin					
BHC (Alpha)					
BHC (Beta)					
BHC (Gamma) [Lindane]					
BHC (Delta)					
Chlorodane					
DDD					
DDE					
(Continued on next page)					

Priority Pollutant	Known Absent	Suspected Absent	Suspected Present	Known Present	Average Concentration [mg/L]
DDT					
Dieldrin					
Endosulfan (Alpha)					
Endosulfan (Beta)					
Endosulfan Sulfate					
Endrin					
Endrin aldehyde					
HeptachlorHeptachlor epoxide					
Isophorone					
TCDD [Dioxin]					
Toxaphene					

If any analytical data is available for any of the above Priority Pollutants, please attach copies of the most recent laboratory reports to this completed application. Please also indicate the sample collection location(s) (include site plan of the location(s)), dates the samples were collected, and associated chain-of custody documentation.

Please provide description of the source of any of the pollutants of concern that are “Known Present”, how they are used at the facility, and if they are discharged to the sewer system (attach additional sheets if necessary):

7.5.2 Sewer Discharge of Other Pollutants of Concern (This section must be completed)

Pollutant of Concern	Known Absent	Suspected Absent	Suspected Present	Known Present	Specify Units [lbs./yr. or gals./yr.]
Acetone					
Ammonia					
Ashes					
Butanol					
Battery acid					
Chlorophenolic biocides					
Chlorinated solvents					
Cutting oils					
Diesel Fuel					
Ethanol					
(Continued on next page)					

Pollutant of Concern	Known Absent	Suspected Absent	Suspected Present	Known Present	Specify Units [lbs./yr. or gals./yr.]
Ethylene Glycol					
Fatty acids					
Flour or dough					
Gasoline					
Hazardous waste					
Herbicides					
Jet Fuel					
Kerosene					
Methanol					
Methylethylketone [MEK]					
Methyl-tert-butyl ether [MTBE]					
Paints					
Paint waste, chips or dust					
Pesticides					
Phosphates					
Propanol					
Radionuclide					
Salts					
Sterilizing Agents or Biocides					
Stoddard Solvent					
Sugars or Syrups					
Sulfates					
Tall oil					
Tannin					
Urea					
Wood preservatives					
Xylenes					
Please list any other pollutant that could be of concern below					

If any analytical data is available for any of the above Pollutants of Concern, please attach copies of the most recent laboratory reports to this completed application. Please also indicate the sample collection location(s) (include site plan of the location(s)), dates the samples were collected, and associated chain-of custody documentation.

Please provide description of the source of any of the pollutants of concern that are “Known Present”, how they are used at the facility, and if they are discharged to the sewer system:

7.5.3 Sewer Discharge of Other Wastes (This section must be completed)

Other Discharged Wastes	Known Absent	Sus-pected Absent	Sus-pected Present	Known Present	Average Dis-charge Rate	Specify Units [lbs./day or gals./day]
Acids						
Adhesives or glues						
Air compressor condensate						
Air pollution control unit						
Alkalines or caustics						
Alcohol						
Amalgam						
Animal blood						
Animal parts						
Anti-freeze						
Autoclave discharge						
Biocides						
Boiler blow-down						
Brightener, metal						
Brine						
Building roof storm water						
Bulk material storage area						
Carpet cleaning waste						
Caustics or Lyes						
Clays, bentonite, or vermiculite						
Cleaning solvents						
Inks or dyes						
Equipment wash-down						
Fats, oils, and greases						
Floor washing & rinsing waste						
Food waste						
Glues or adhesives						
Laundry waste						
Metal dust, chips or shavings						
Maintenance shop waste						
Medical waste						
Paint waste, chips or dust						
Parts washer discharge						
Pesticide/Herbicide rinsate						
Petroleum waste						
Polymers						
Pharmaceutical waste						
Plating or metal finishing rinse						
(Continued on next page)						

Other Discharged Wastes	Known Absent	Sus-pected Absent	Sus-pected Present	Known Present	Average Discharge Rate	Specify Units [lbs./day or gals./day]
Pressure washing waste						
Sump sediment						
Solvents or thinners						
Sweeper wash or rinse waste						
Steam cleaning waste						
Storage area floor drains						
Tank farm storm water						
Vehicle washing						
Waste oil						
Zeolites						
Please list any other discharged waste below						

Please provide description of the source of any of the discharged waste that are “Known Present”, how they are used at the facility, and how they are discharged to the sewer system:

7.6 Pretreatment Devices or Processes

Place an “X” to indicate all pretreatment devices or processes used for treating wastewater or sludge at your facility. Please indicate type of device or process, and/or provide brief details. Also, please provide site map indicating the location of each device or process.

X	Pretreatment Device or Process	Type/Brief Details
	No Pretreatment Devices	
	Air flotation	
	Biological treatment	
	Centrifuge	
	Chemical precipitation	
	Chlorination	
	Cyclone separation	
	Coagulation/Flocculation	
	Emulsion breaking	
	Filtration, physical	
	Flow equalization	
	Oil & grease separator	
	Grease trap or interceptor	
	Grit removal	
	Ion exchange	
	pH Neutralization	
	Oxidation, chemical	
	Micro/Ultra/Nano-filtration	
	Reverse osmosis	
	Screening	
	Sedimentation	
	Sump	
	Rainwater diversion or storage	

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7.7 Non-Discharged Waste

7.7.1 Does the facility dispose of any liquid waste or sludges by any other means other than to the sewer system? YES or NO

If “NO” then skip to section 7.8. If “YES” then complete this section

7.7.2 Descriptions or Types of Non-Discharge Wastes

Please place an “X” by each Waste that applies to your facility.

X	Waste Description	Estimated Disposal Rate	Specify Units [lbs./year or gals./year]	Disposal Method
	Acids			
	Activated carbon			
	Spent catalyst			
	Caustics			
	Cyanide containing waste			
	Distillation waste			
	Explosives			
	Extremely toxic wastes			
	Fats, oils and greases			
	Filter cakes			
	Flammables or combustibles			
	Heavy metal sludges			
	Inks or Dyes			
	Paints			
	Pesticides			
	Petroleum waste			
	Plating or metal finishing waste			
	Pretreatment sludges			
	Radioactive waste			
	Reactive waste			
	Solvents or thinners			
	Strong oxidizers			
	Wastewater treatment sludges			
	Please list any other non-discharge waste below			

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7.7.3 Non-Discharge Waste Storage and Disposal

Please place an “X” by all practices that apply to your facility, and provide brief descriptions, such as what waste are stored and disposed of, how and where they are stored, and where are they disposed of. Please attach a site plan map showing the locations of any on-site storage and/or disposal area locations at your facility.

X	Facility Practice	Brief Description
	On-site storage	
	Off-site storage	
	On-site disposal	
	Off-site disposal	

If applicable, please provide your Transport, Storage and Disposal (TSD) contractor information.

TSD Contractor Name: _____

TSD Phone No. _____ TSD EPA No.: _____

Your Facility's EPA Generator No.: _____

7.8 Environmental Permits

Please provide information for all Federal, State and Local environmental permits issued to your facility, whether air pollution, NPDES (industrial or storm water), water supply (well or surface water), solid waste, hazardous waste (RCRA), Food Establishment Water Discharge, Waste Hauling/Transport, Department of Transportation, etc.

Permit Type	Permit No.	Issuing Agency Name	Date Issued

7.9 Slug Discharge Control Plan

Per 40 CFR 403.8(f)(2)(vi) each Industrial User must submit a Slug Discharge Control Plan for review by the Control Authority. Please provide the following: A description of discharge practices, including non-routine batch discharges; A description of stored chemicals; Procedures for immediately notifying the POTW; and Procedures to prevent adverse impact from accidental spills (attach additional sheets if necessary)

SECTION 8.0 – REQUIRED ATTACHMENTS

Section 5.6 asks for MSDSs. Sections 4.0, 5.0, 7.2.1, 7.2.2, 7.6, and 7.7.3 of this application form asks for narrative explanations, site plans and/or process diagrams be attached. Section 7.2 of this application asks for an accommodation determination letter from the City of Memphis Engineering Division. Sections 7.5.1 and 7.5.2 of this application form asks for analytical data, with laboratory reports be attached. Sections 7.9.2 and 7.9.3 of this application form asks for a copy of your facility’s SPCC Plan and/or SWPPP, where applicable. **Missing required attachments will result in delayed processing of this application form.**

Note that upon review of this completed application and attachments, we could identify deficiencies that you would need to amend, ask for explanations, and/or require for you to submit additional information, data, diagrams or drawings for us to prepare an accurate IWDP for your facility. We also may need to conduct an inspection of your facility to gather additional information.

SECTION 9.0 – SUBMITTAL OF CONFIDENTIAL INFORMATION

Regarding the submittal confidential information, State rule 1200-4-14-.14 will apply, which says the following:

(1) In accordance with T.C.A 69-3-113, any information submitted to the division pursuant to these regulations may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission in the manner prescribed on the application form or instructions, or, in the case of other submissions, by stamping the words “CONFIDENTIAL BUSINESS INFORMATION” on each page containing such information. If no claim is made at the time of submission, the division may make the information available to the public without further notice. If a claim is asserted, the information will be treated in accordance with the procedures in 40 CFR (Public Information).

(2) Effluent Data. Information and data provided to the Control Authority (i.e., the City of Memphis) pursuant to this part which effluent data shall be available to the public without restriction.

(3) State or WWF (i.e., Wastewater Facility, which is the City of Memphis). All other information which is submitted to the State or WWF shall be available to the public at least to the extent provided by T.C.A. 10-7-501 et seq.

SECTION 10.0 – AUTHORIZED REPRESENTATIVE STATEMENT

I certify under penalty of law that this document and all its 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 inquire of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I

**City of Memphis, Division of Public Works, Environmental
Industrial Wastewater Discharge Permit Application**

am aware that there are significant penalties for submitting false information, including the possibility of fines, civil penalties, or imprisonment for knowing violations.

Name

Title

Signature

Date